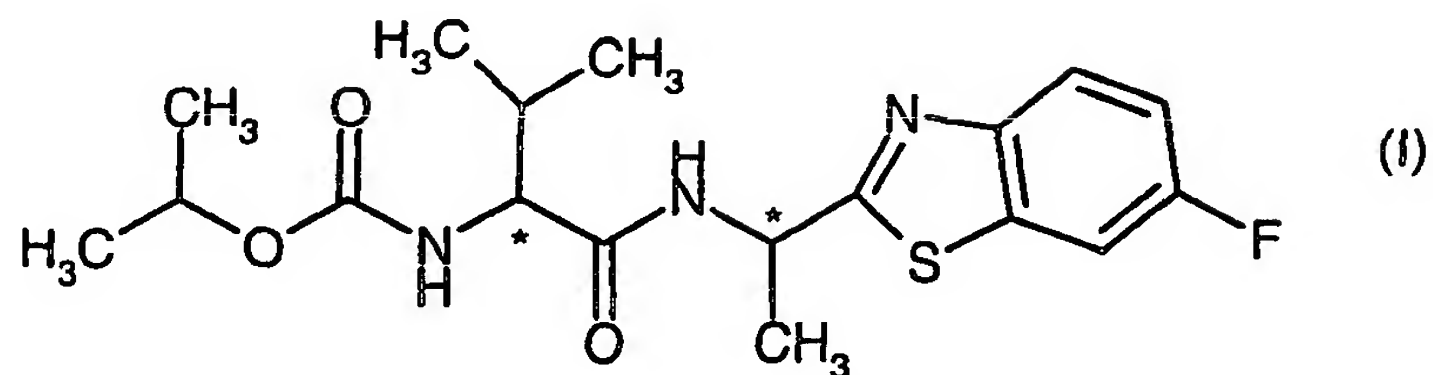


Patent Claims

1. Active compound combinations, comprising at least one compound of the formula

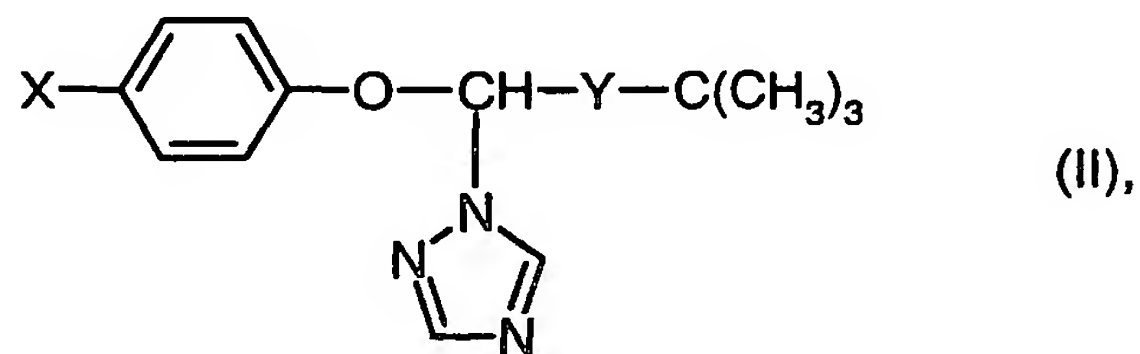
5



and

- (1) a triazole derivative of the formula

10



in which

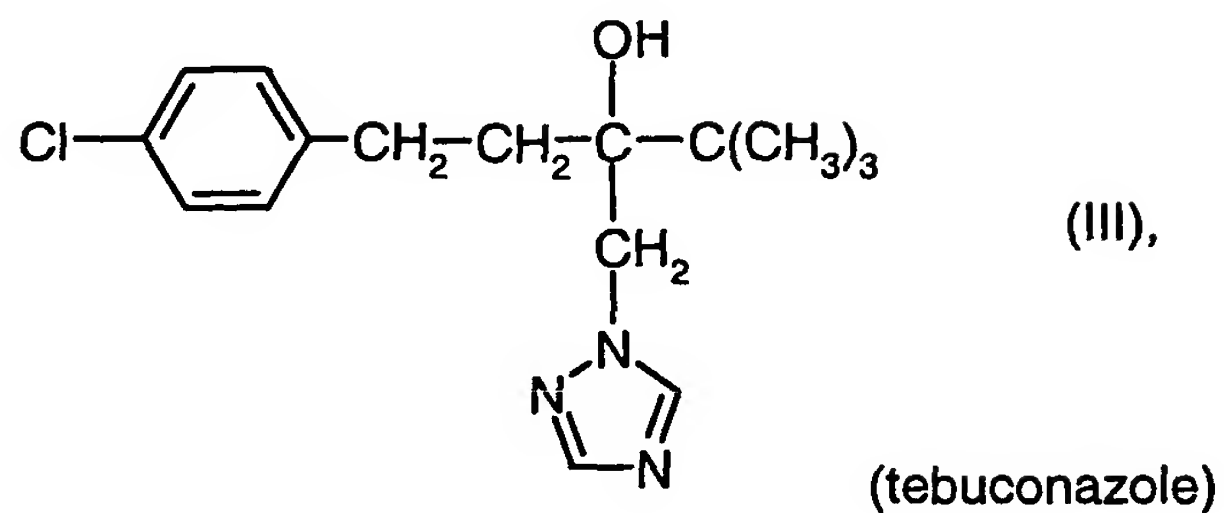
X represents chlorine or phenyl and

15

Y represents $\begin{array}{c} \text{---C---} \\ \parallel \\ \text{O} \end{array}$ or $\begin{array}{c} \text{---CH---} \\ | \\ \text{OH} \end{array}$,

and/or

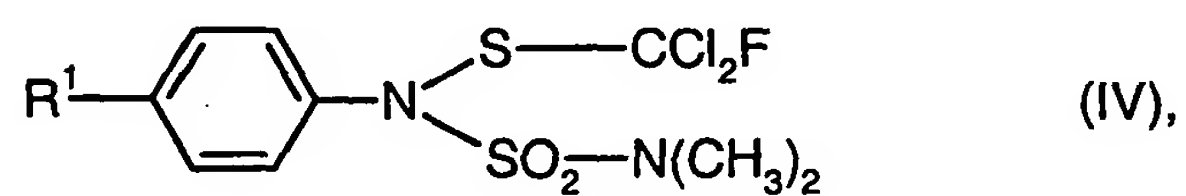
(2) the triazole derivative of the formula



and/or

5

(3) an aniline derivative of the formula



in which

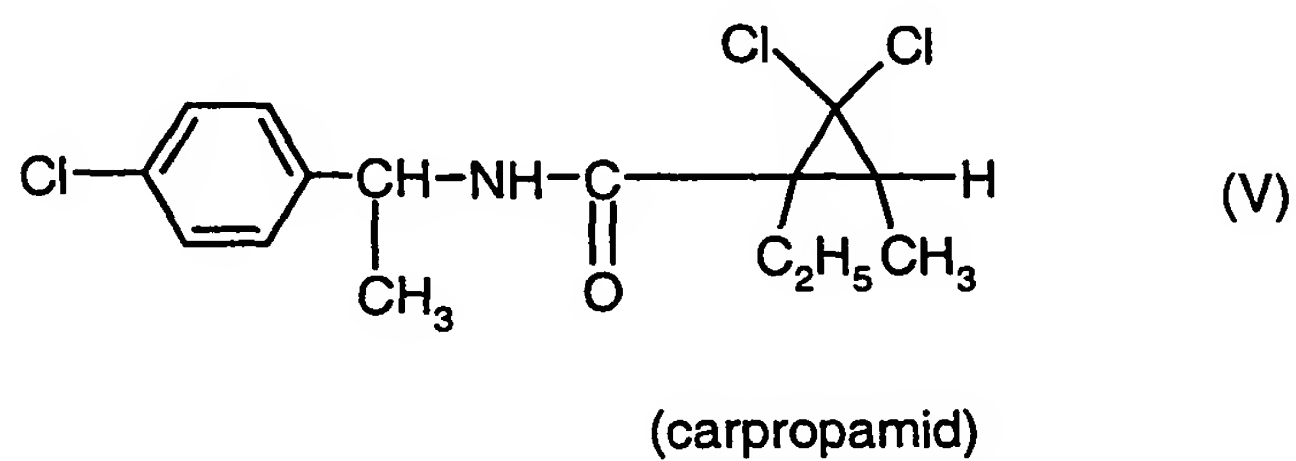
10

R¹ represents hydrogen or methyl,

and/or

15

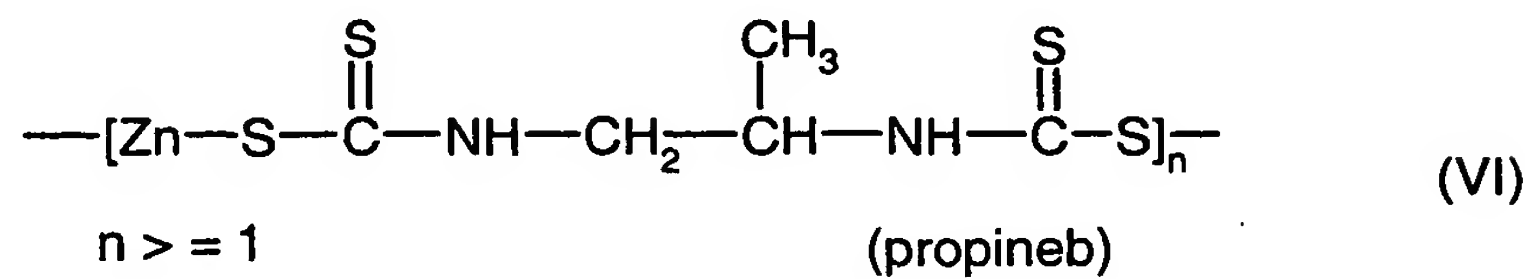
(4) N-[1-(4-chloro-phenyl)-ethyl]-2,2-dichloro-1-ethyl-3-methyl-cyclopropane-carboxamide of the formula



and/or

20

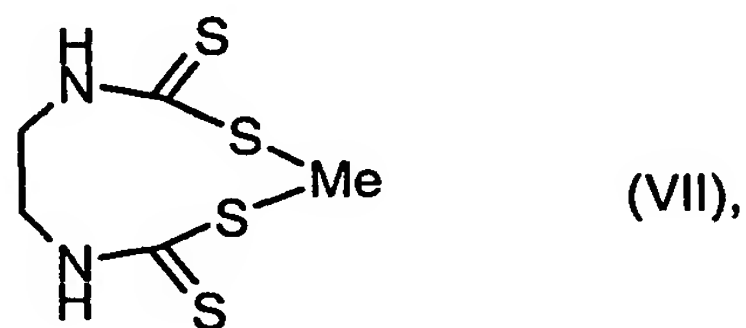
- (5) the zinc propylene-1,2-bis-(dithiocarbamate) of the formula



and/or

5

- (6) at least one thiocarbamate of the formula

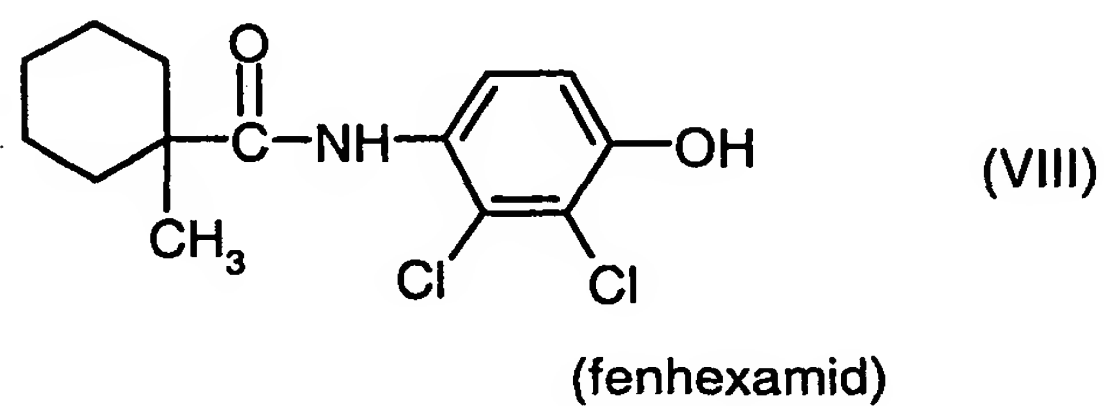


Me = Zn or Mn or a mixture of Zn and Mn

10

and/or

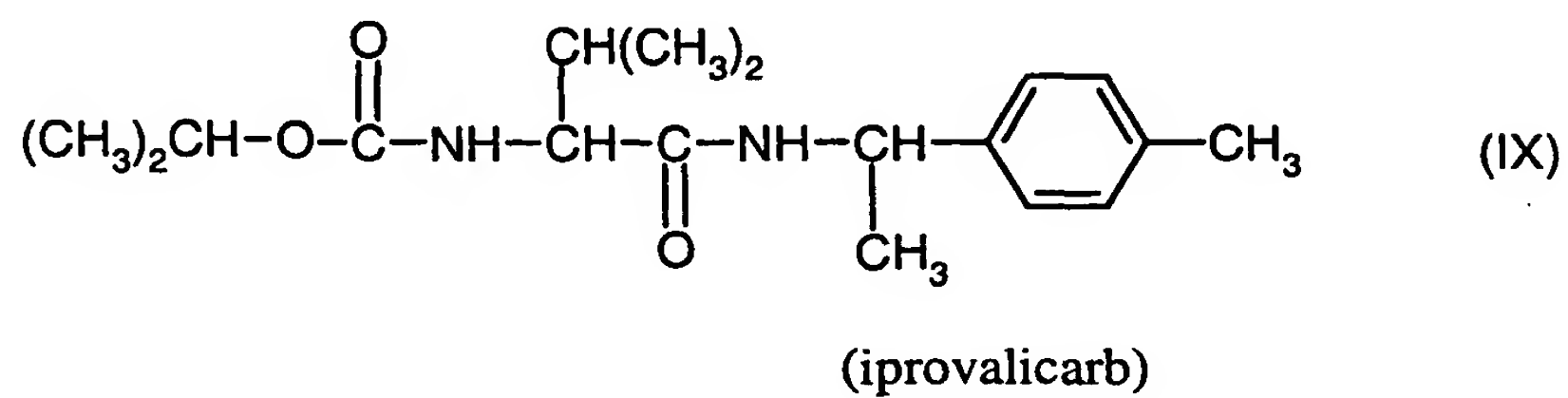
- (7) the aniline derivative of the formula



15

and/or

- (8) the compound of the formula

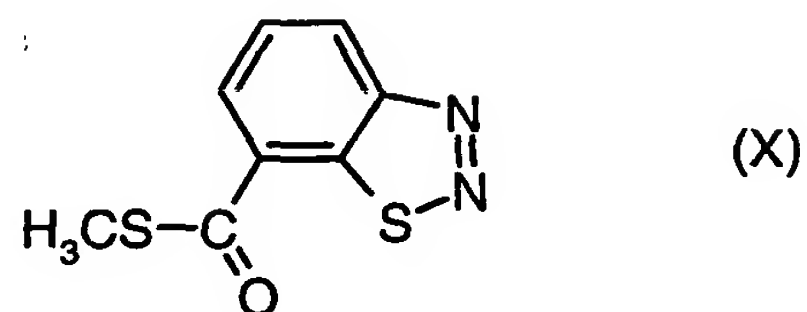


20

and/or

(9) the benzothiadiazole derivative of the formula

5



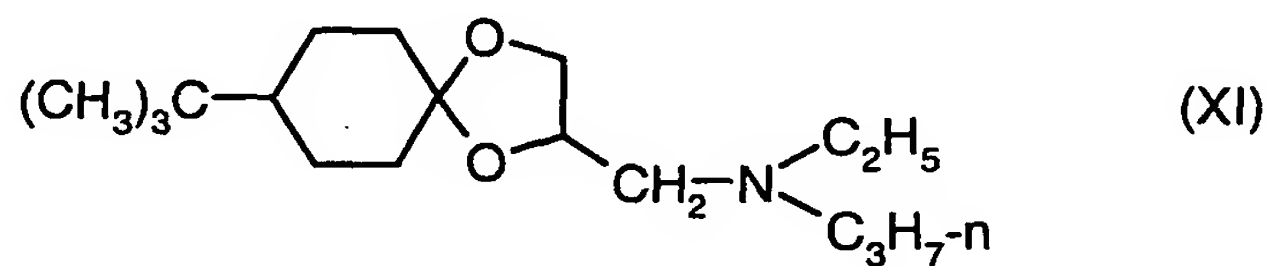
(X)

(acibenzolar-S-methyl)

and/or

(10) the 8-t-butyl-2-(N-ethyl-N-n-propyl-amino)-methyl-1,4-dioxaspiro[5,4]-decane of the formula

10



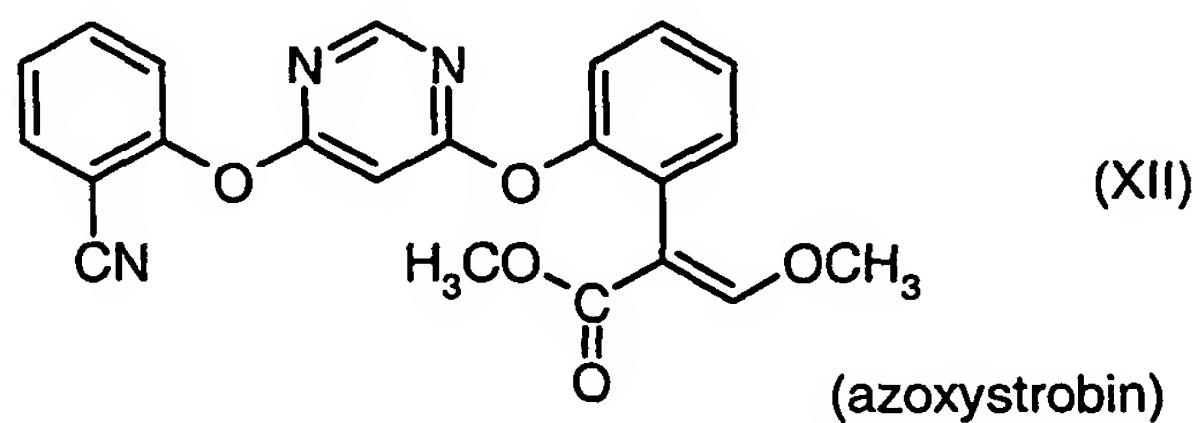
(XI)

(spiroxamine)

and/or

(11) the compound of the formula

15

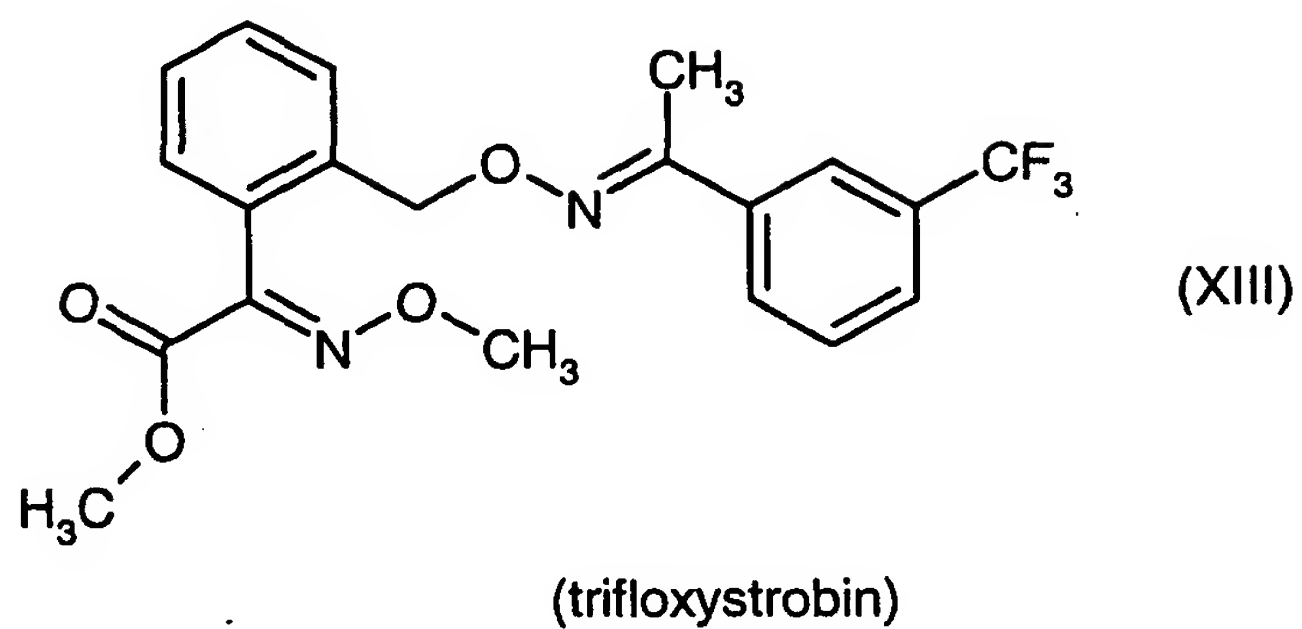


(XII)

(azoxystrobin)

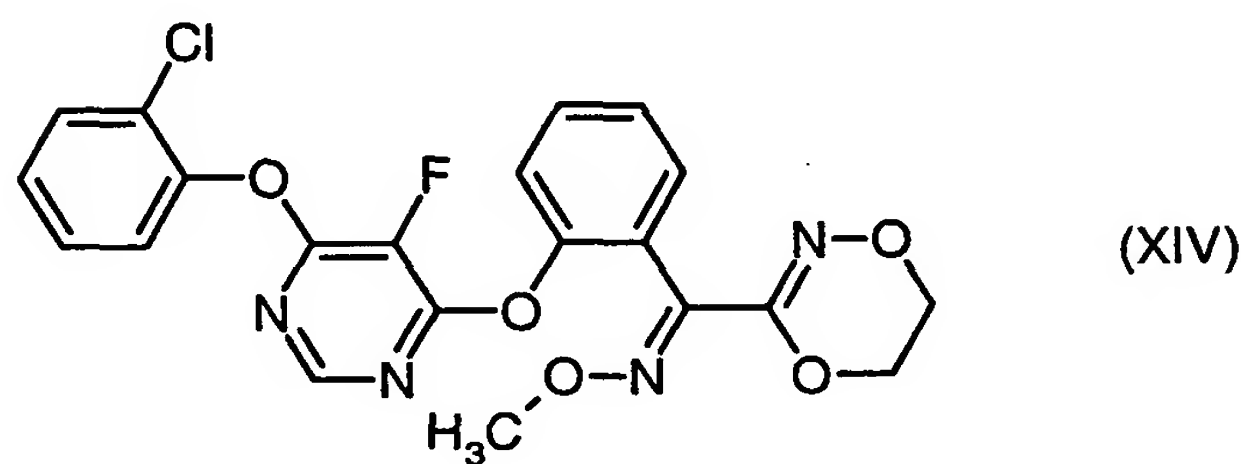
and/or

(12) the compound of the formula



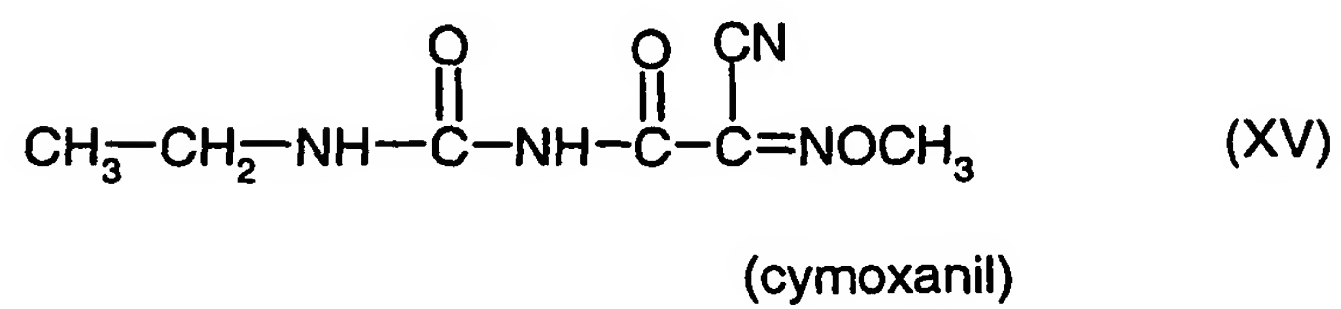
5 and/or

(13) the compound of the formula



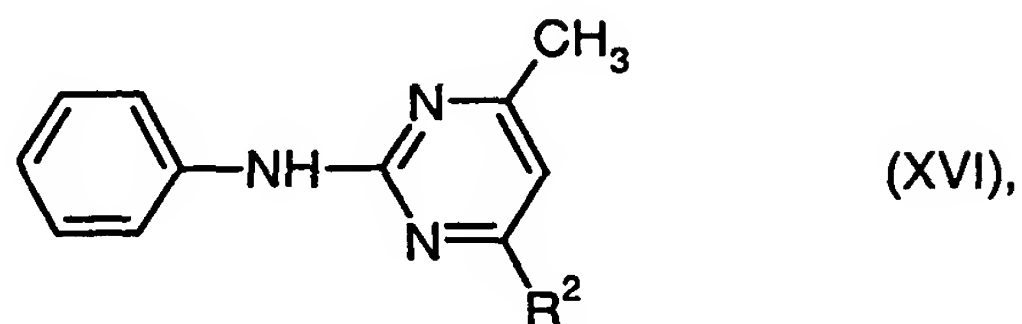
10 and/or

(14) the cyanoxime derivative of the formula



15 and/or

(15) a pyrimidine derivative of the formula

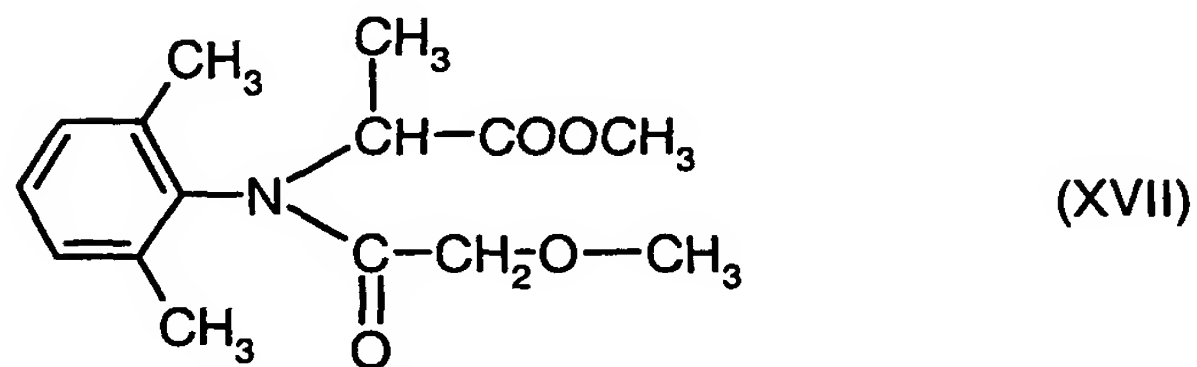


in which

R^2 represents methyl, $—C\equiv C—CH_3$ (mepanipyrim) or cyclopropyl (cyprodinyl),

and/or

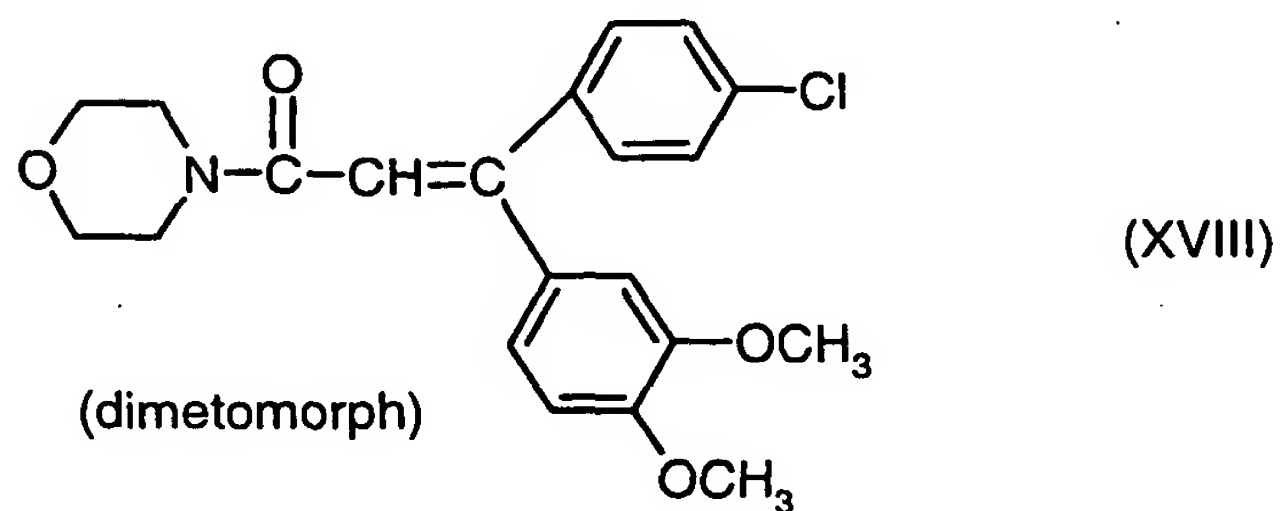
(16) an aniline derivative of the formula



(metalaxyl or metalaxyl M)

and/or

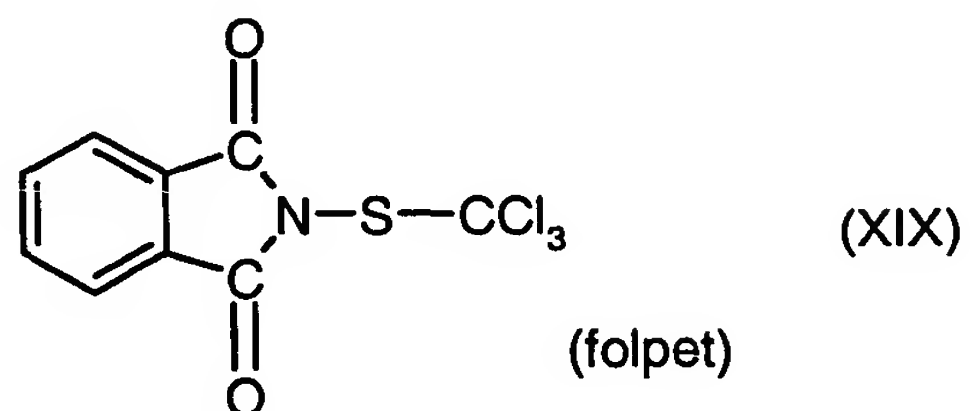
(17) the morpholine derivative of the formula



(dimetomorph)

and/or

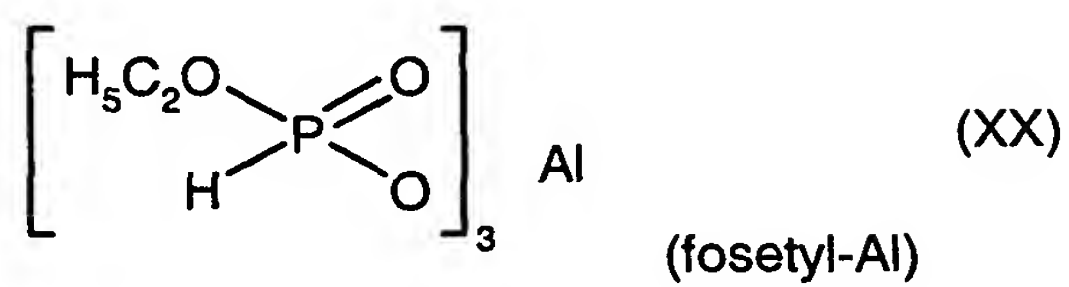
(18) the phthalimide derivative of the formula



5

and/or

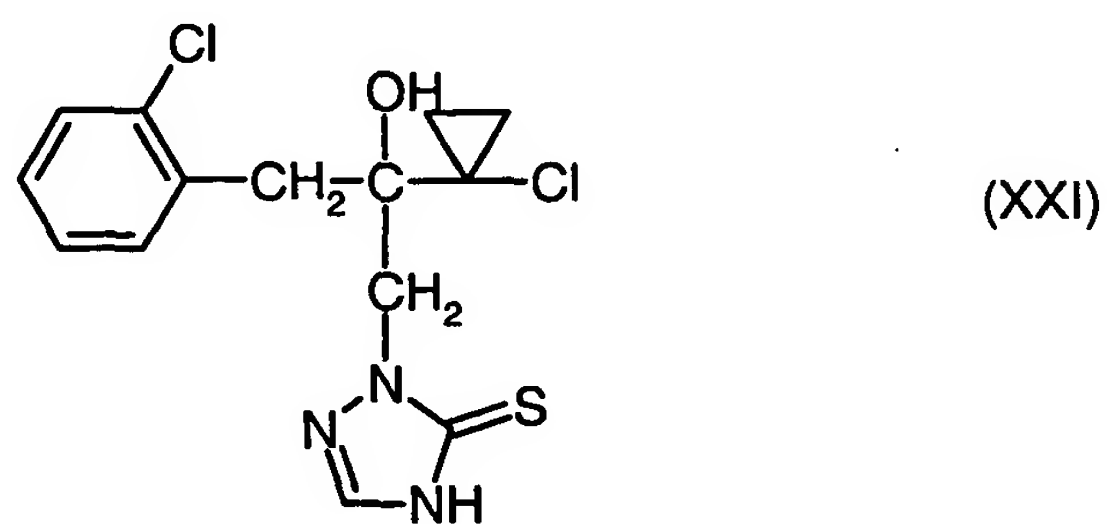
(19) the phosphorus compound of the formula



10

and/or

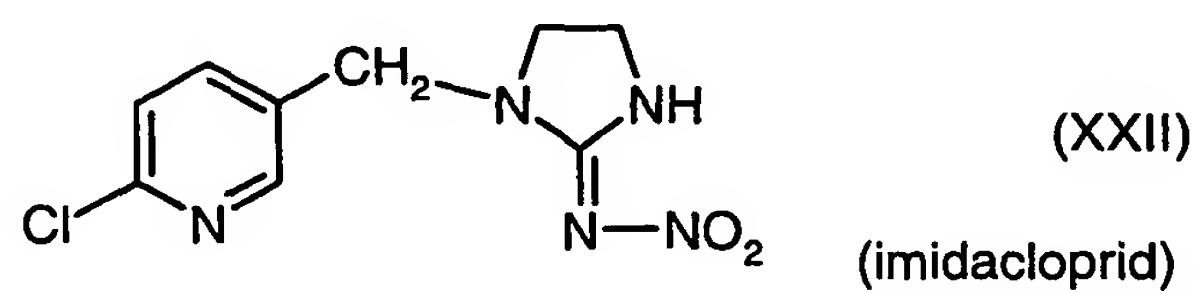
(20) the hydroxyethyl-triazole derivative of the formula



15

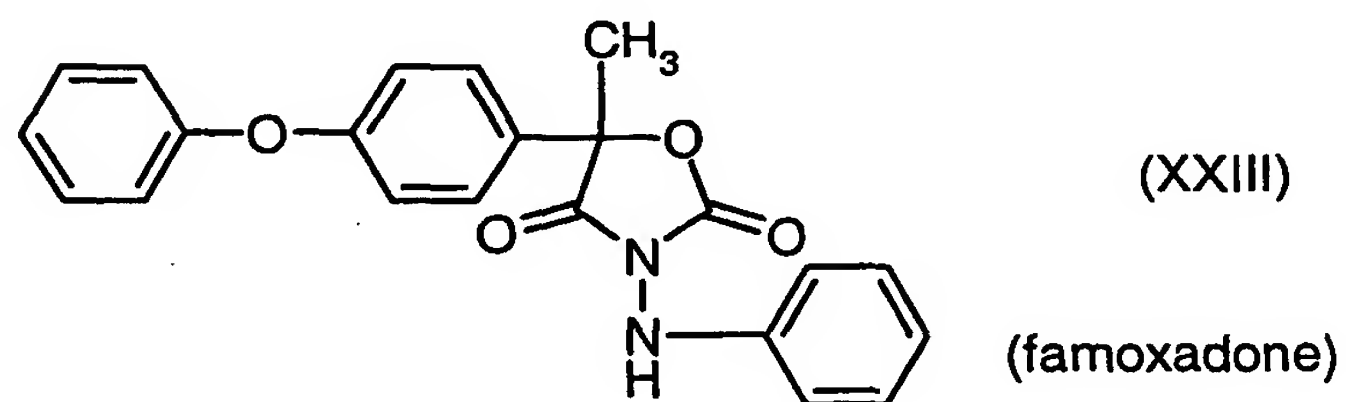
and/or

- (21) the 1-[(6-chloro-3-pyridinyl)-methyl]-N-nitro-2-imidazolidinimine of the formula



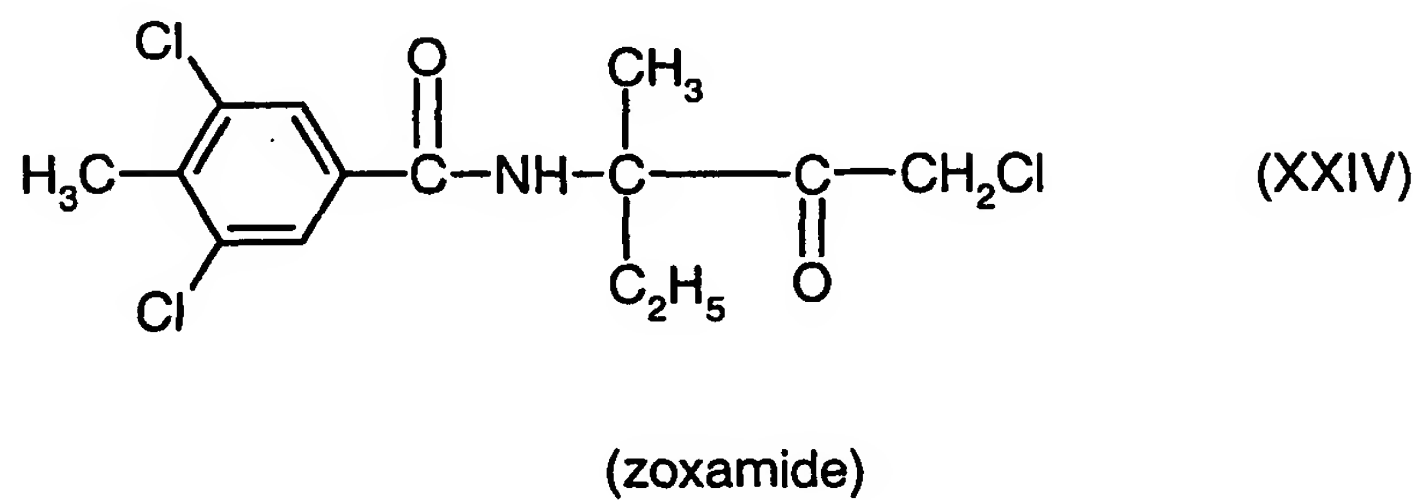
5 and/or

- (22) the oxazolidinedione of the formula



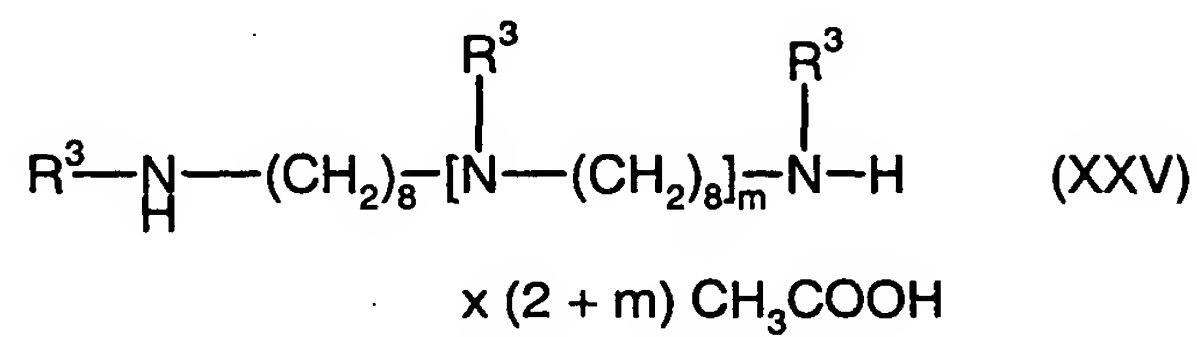
10 and/or

- (23) the benzamide derivative of the formula



15 and/or

(24) the guanidine derivative of the formula



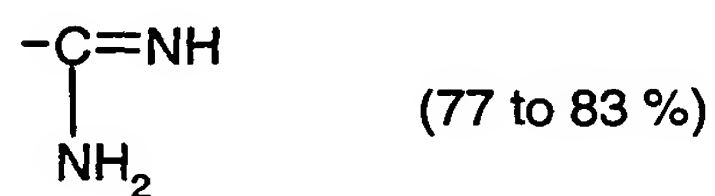
5

in which

m represents integers from 0 to 5 and

R³ represents hydrogen (17 to 23%) or the radical of the formula

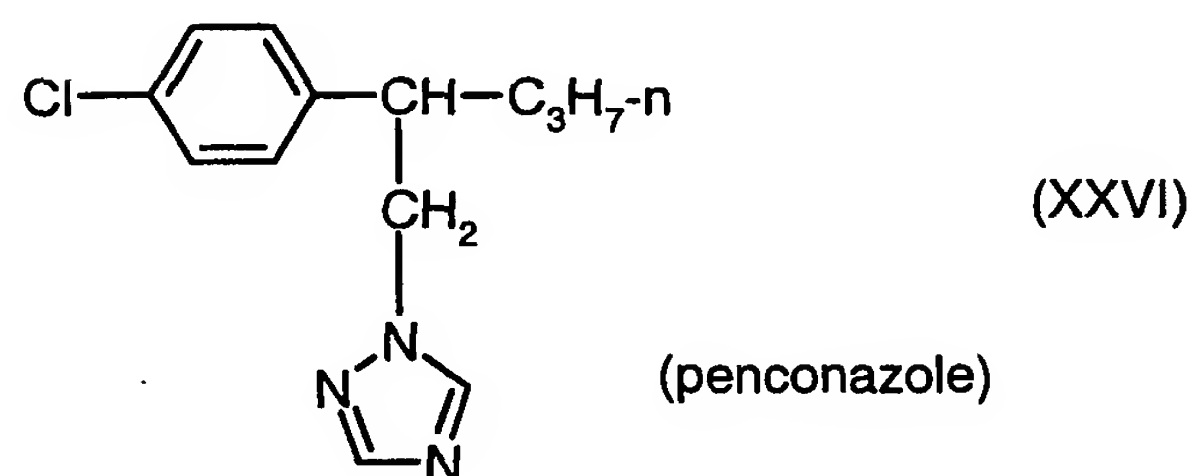
10



and/or

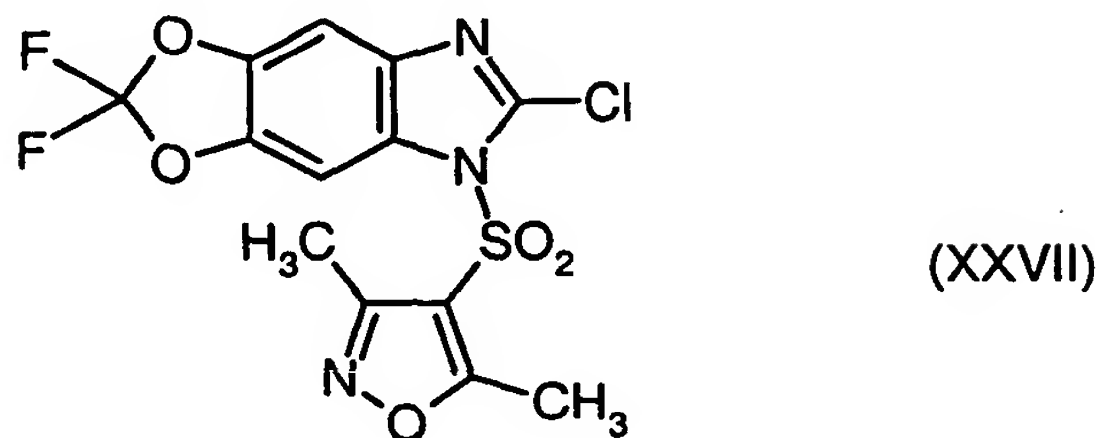
15

(25) the triazole derivative of the formula



and/or

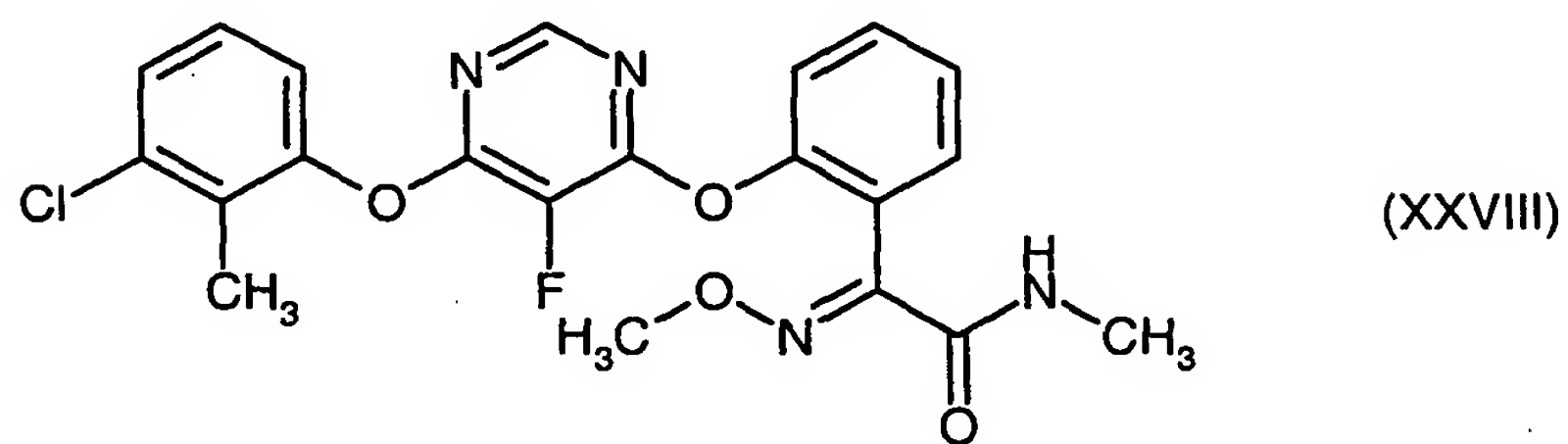
(26) the halogeno-benzimidazole of the formula



and/or

5

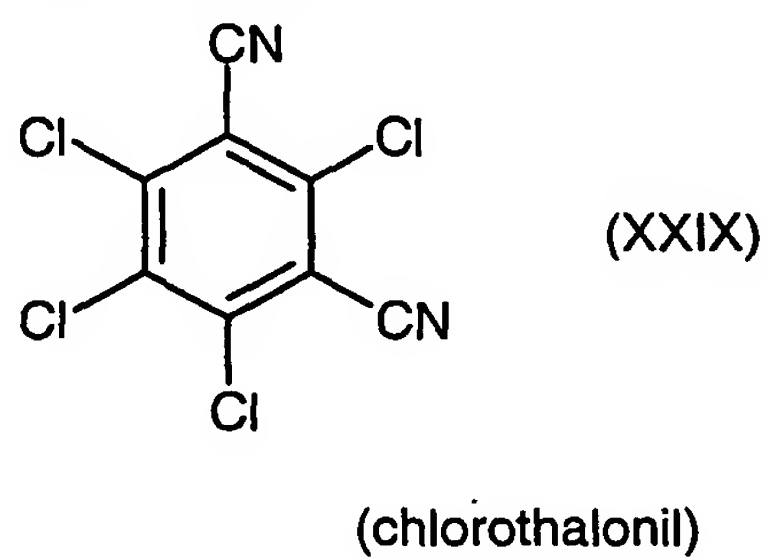
(27) the halogenopyrimidine of the formula



and/or

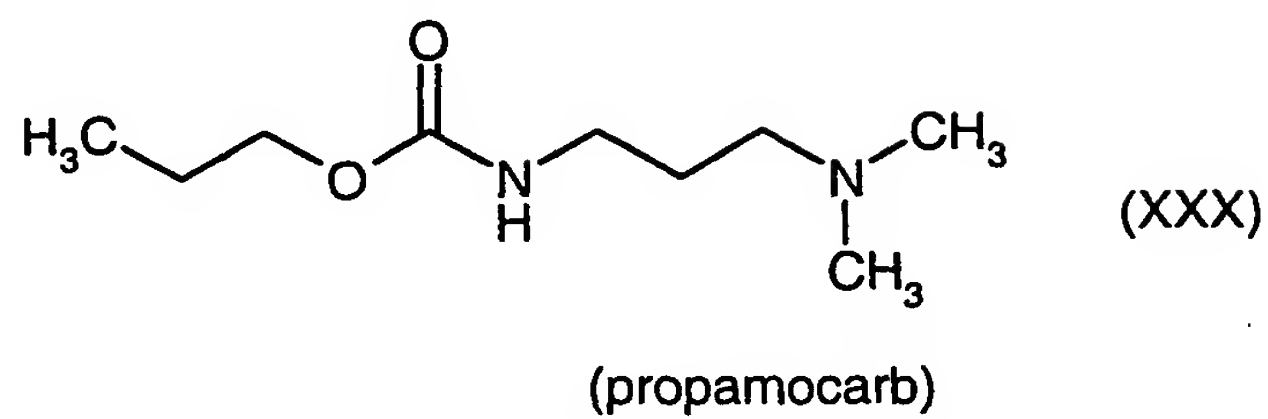
10

(28) the tetrachloro-isophthalo-dinitrile of the formula



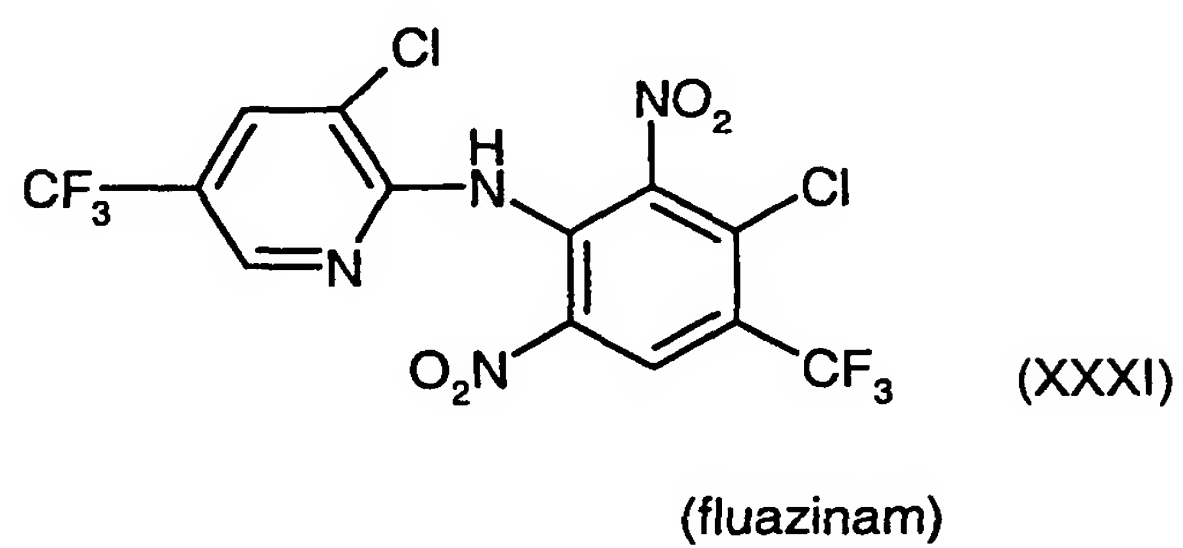
and/or

(29) the compound of the formula



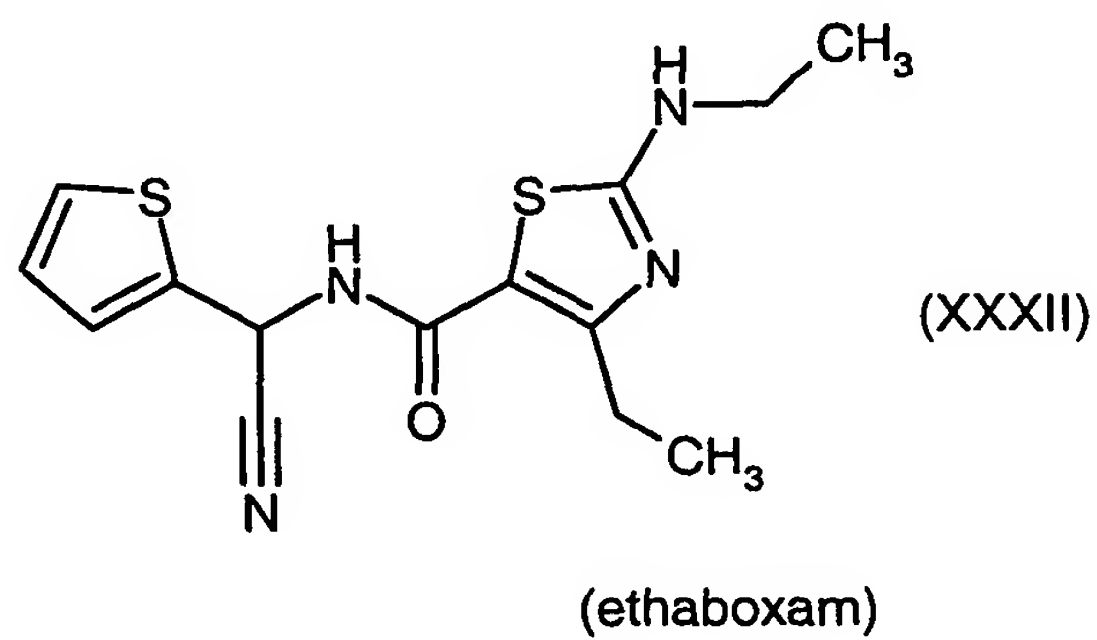
and/or

5 (30) the pyridineamine of the formula



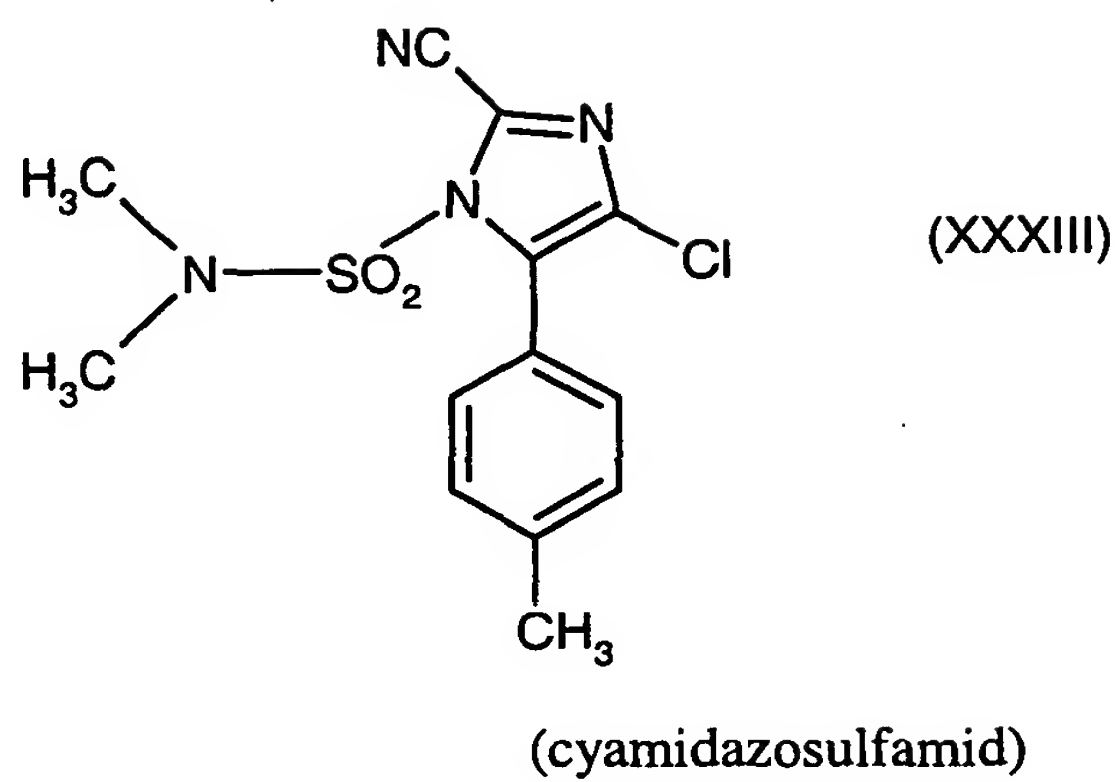
and/or

10 (31) the thiazolecarboxamide of the formula



and/or

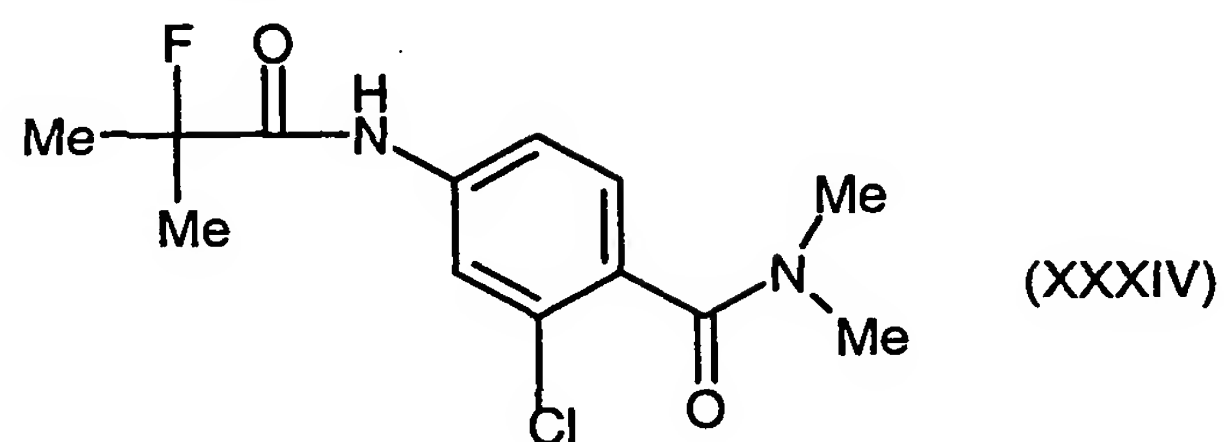
15 (32) the sulphonamide of the formula



and/or

5

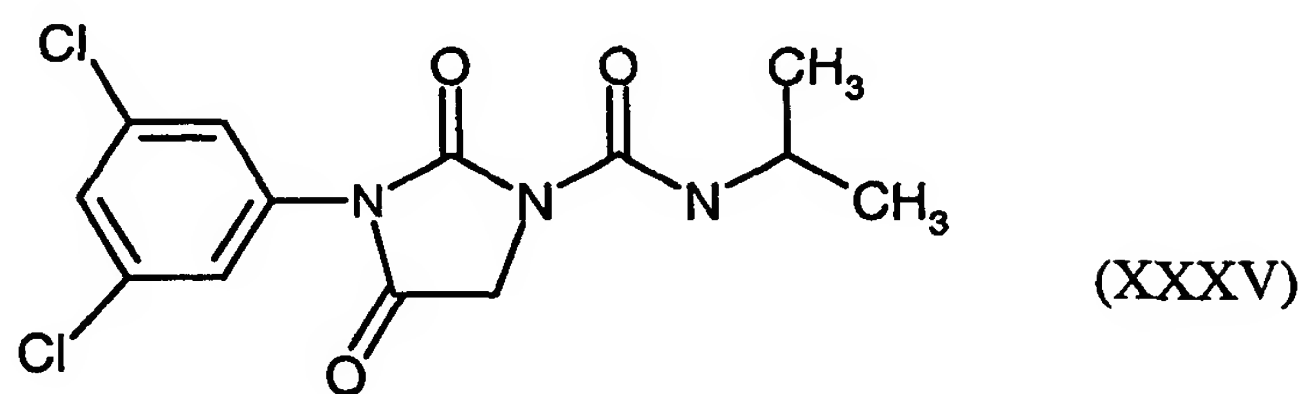
(33) the compound of the formula



and/or

10

(34) the compound of the formula



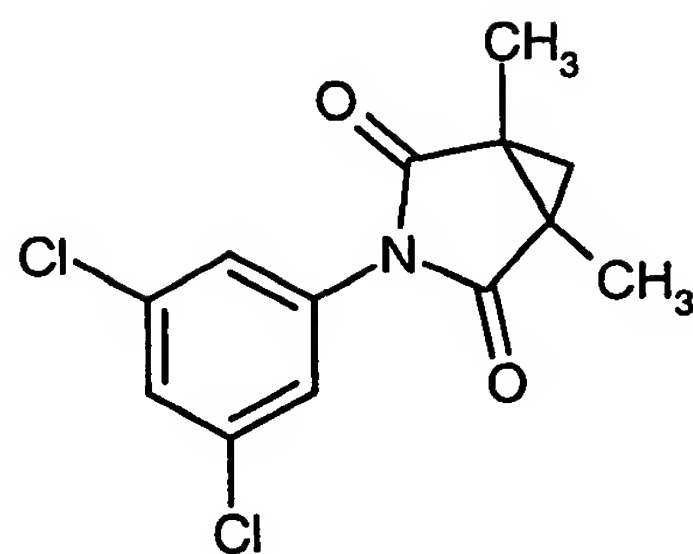
(iprodione)

15

and/or

(35) the compound of the formula

- 81 -



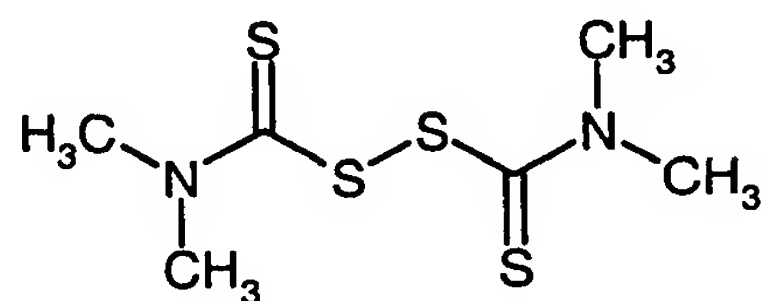
(XXXVI)

(procymidone)

and/or

5

(36) the diamide of the formula



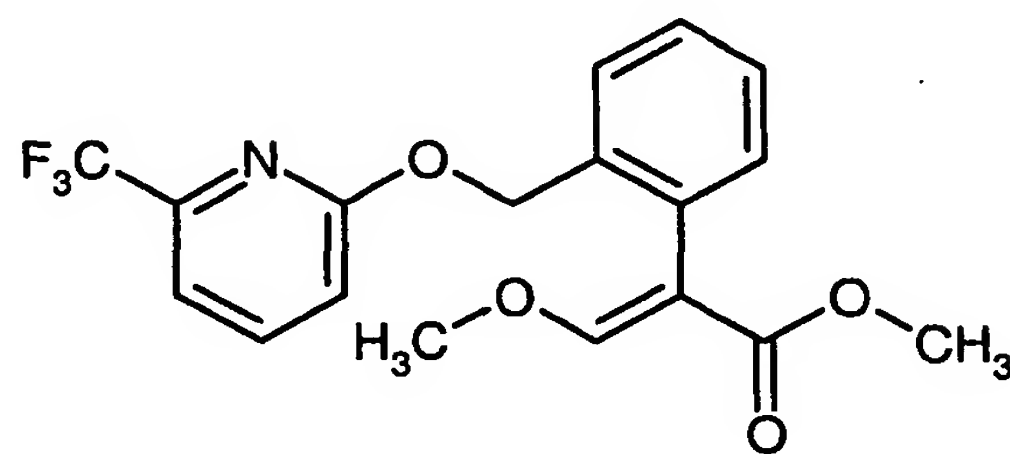
(XXXVII)

(thiram)

10

and/or

(37) the methoxyacrylate derivative of the formula



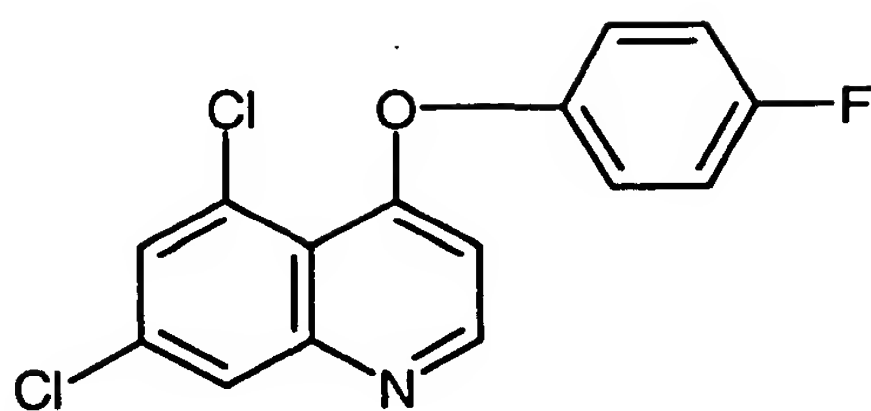
(XXXVIII)

15

(picoxystrobin)

and/or

(38) the quinoline derivative of the formula



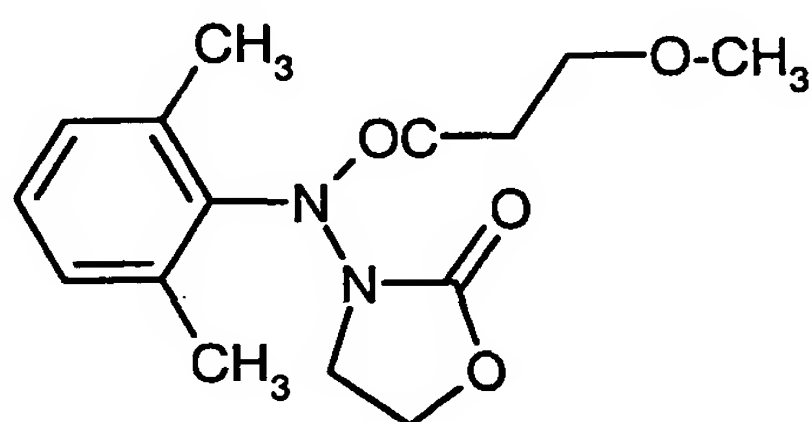
(XXXIX)

(quinoxifen)

and/or

5

(39) the phenylamide derivative of the formula



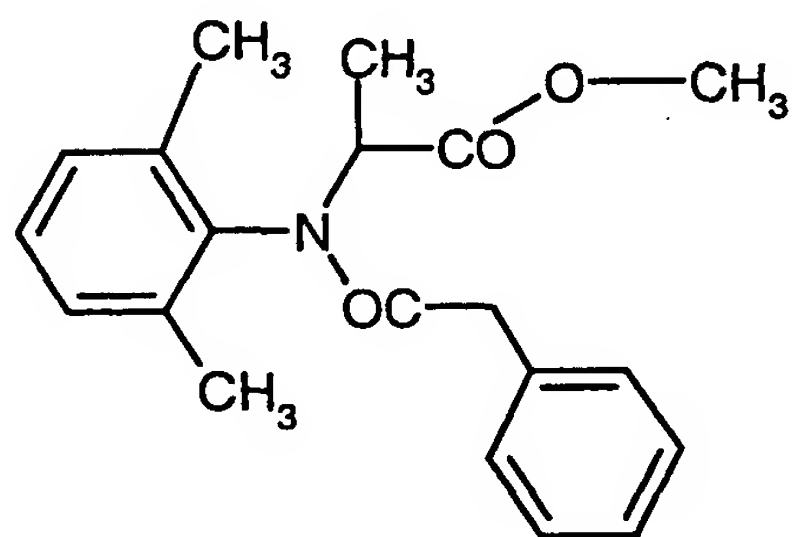
(XXXX)

(oxadixyl)

10

and/or

(40) the phenylamide derivative of the formula



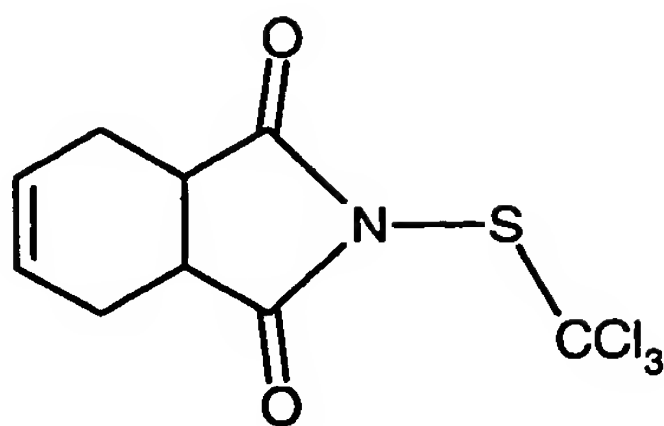
(XXXXXI)

15

(benalaxyl)

and/or

(41) the dicarboxime derivative of the formula

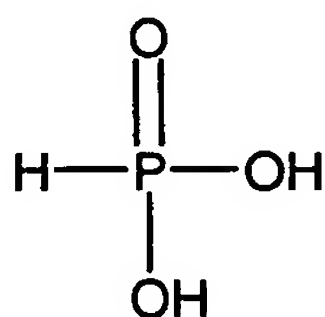


(XXXXXIIa)

(captan)

and/or

5 (42) the phosphonic acid of the formula

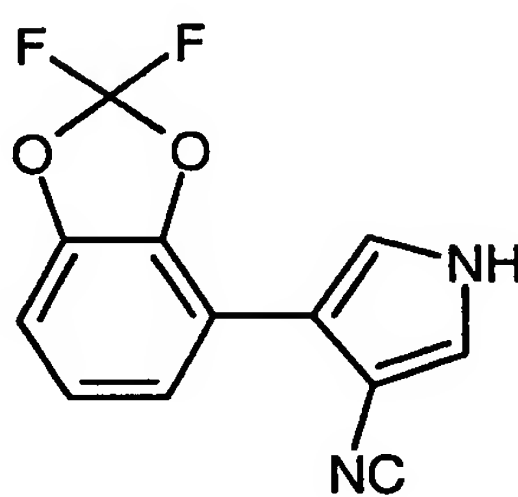


(XXXXXIII)

(phosphonic acid)

10 and/or

(43) the pyrrole derivative of the formula



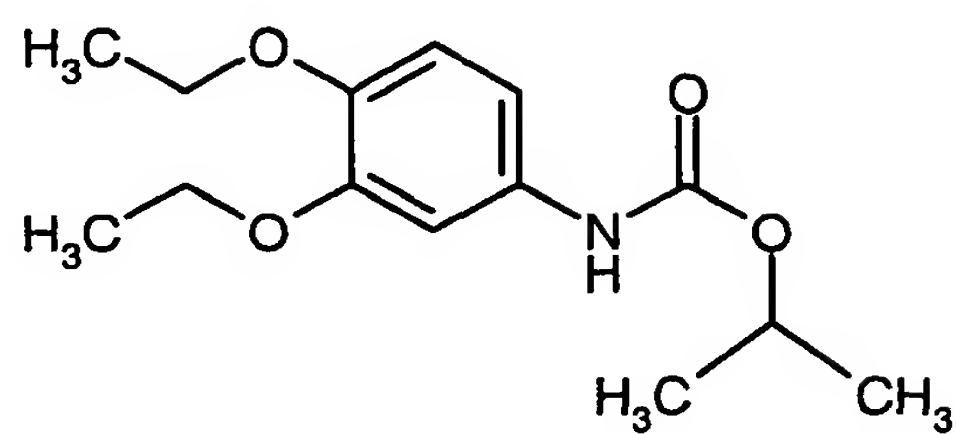
(XXXXXIV)

15 (fludioxonil)

and/or

(44) the phenyl carbonate of the formula

20



(XXXXV)

(diethofencarb)

and/or

5

(45) the copper compounds

a) copper oxychloride

(XXXXVIa)

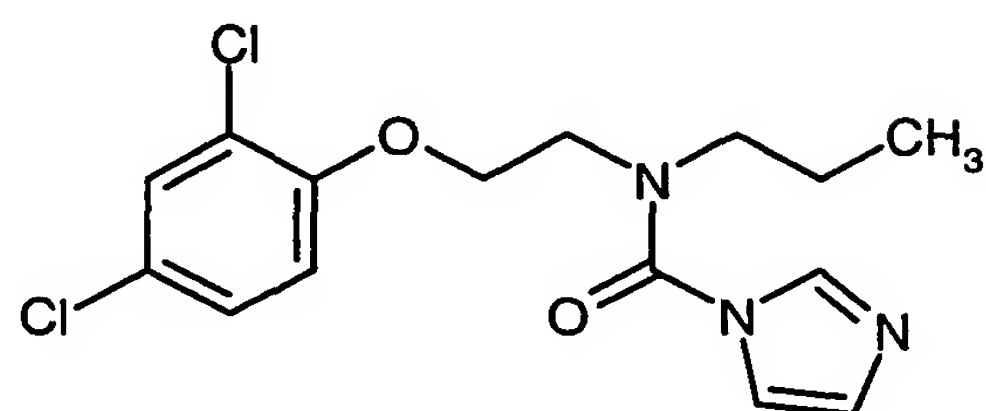
b) copper hydroxid

(XXXXVIb)

10

and/or

(46) the imidazole derivative of the formula



(XXXXVII)

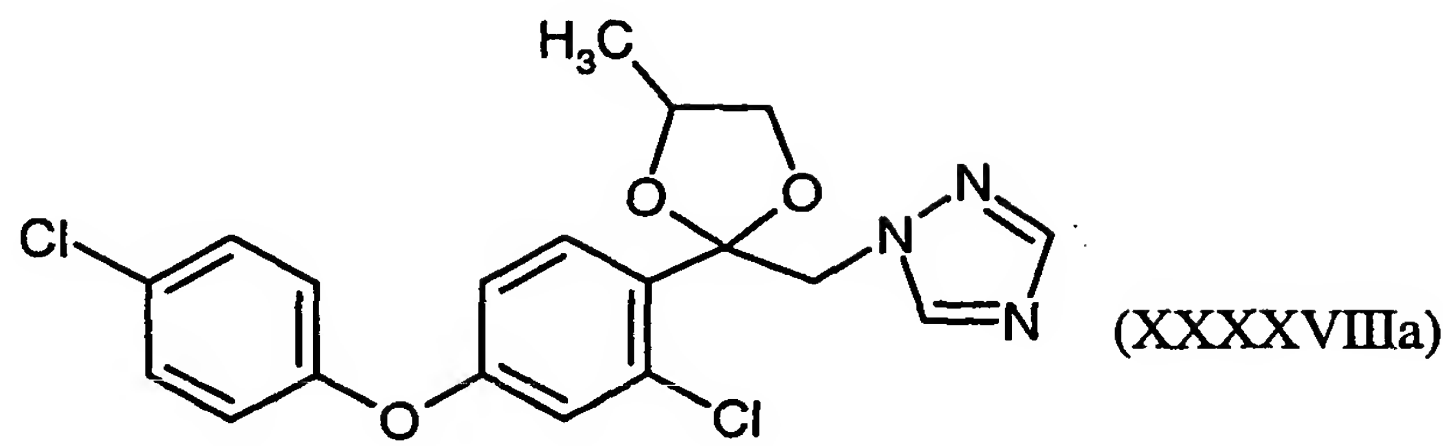
15

(prochloraz)

and/or

(47) the triazole derivative of the formula

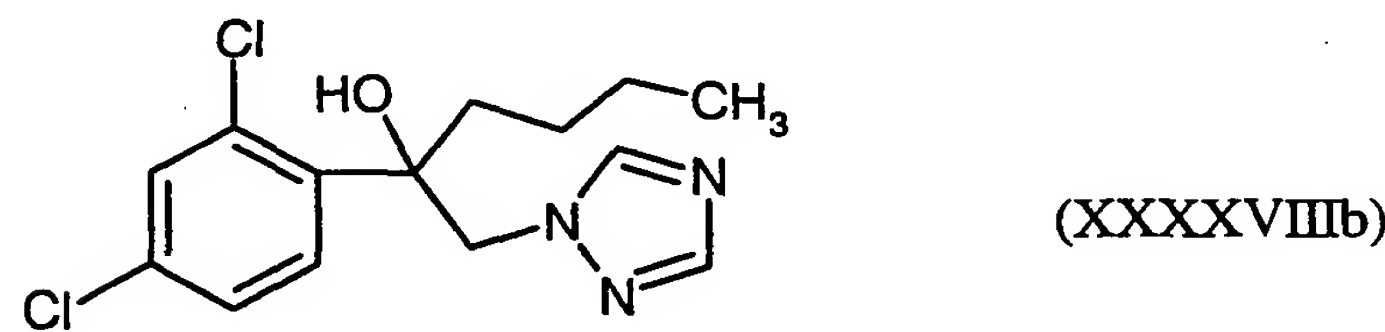
a)



(difenconazole)

5 and/or

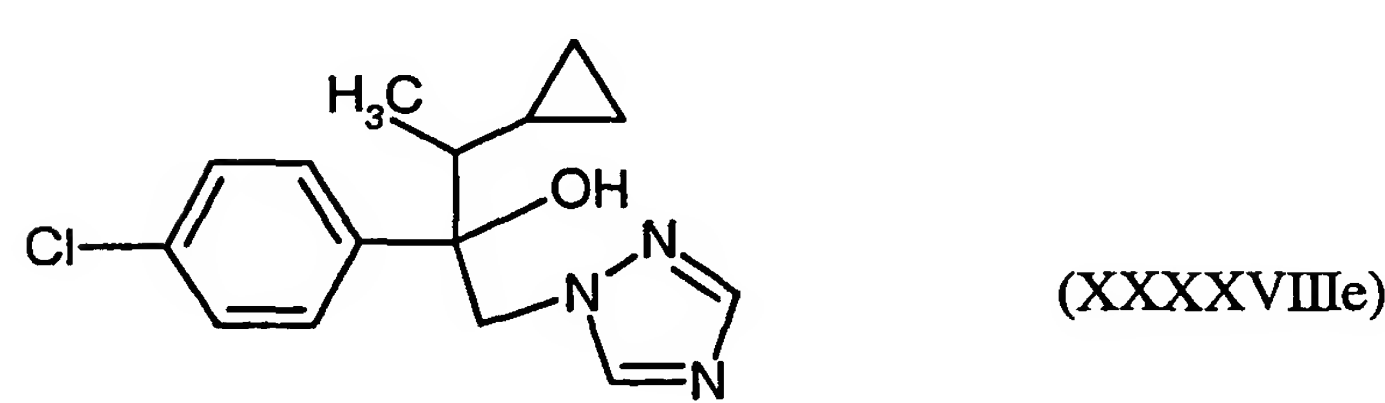
b)



(hexaconazole)

10 and/or

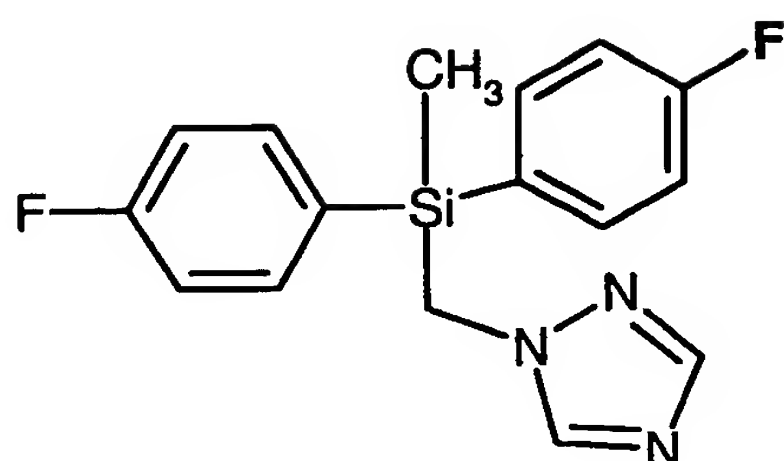
c)



(cyproconazole)

15 and/or

d)



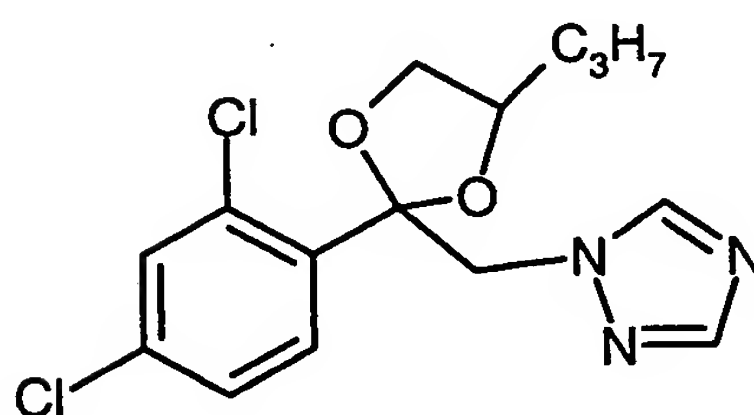
(XXXXXVIII d)

(flusilazole)

5

and/or

e)



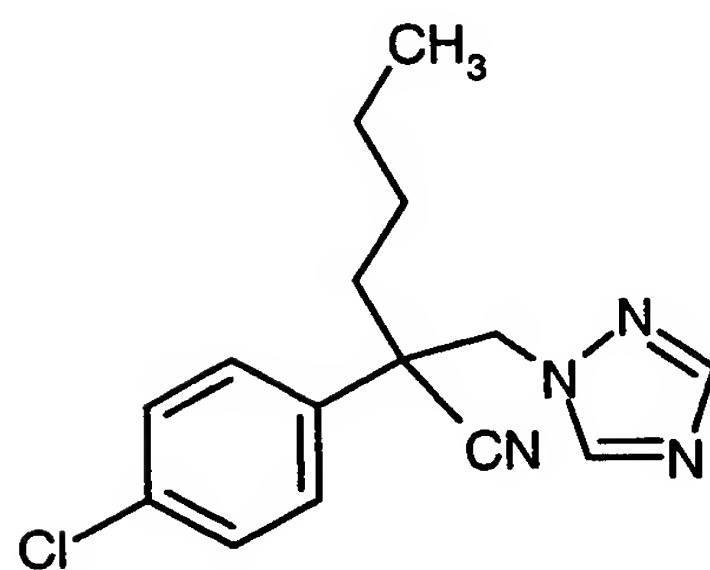
(XXXXXVIII e)

(propiconazole)

10

and/or

f)



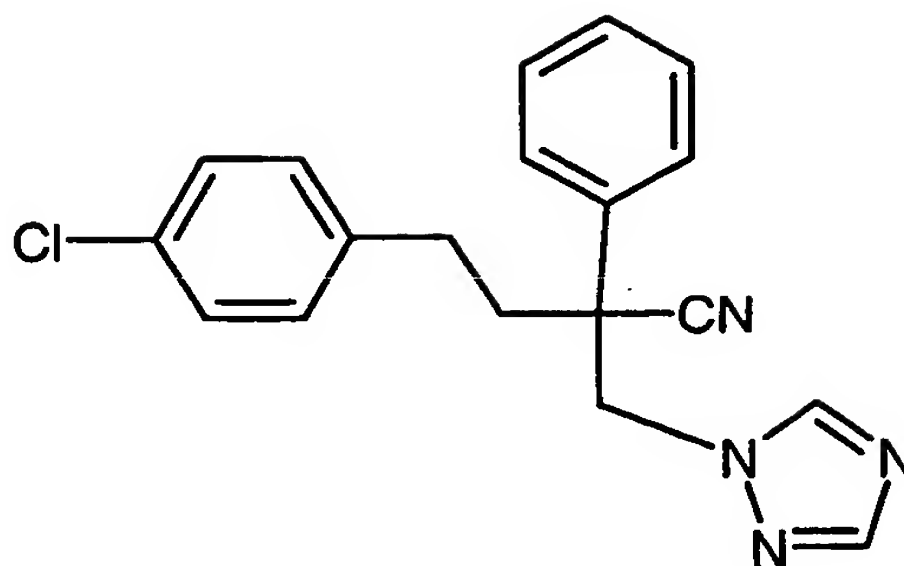
(XXXXXVIII f)

(myclobutanil)

15

and/or

g)

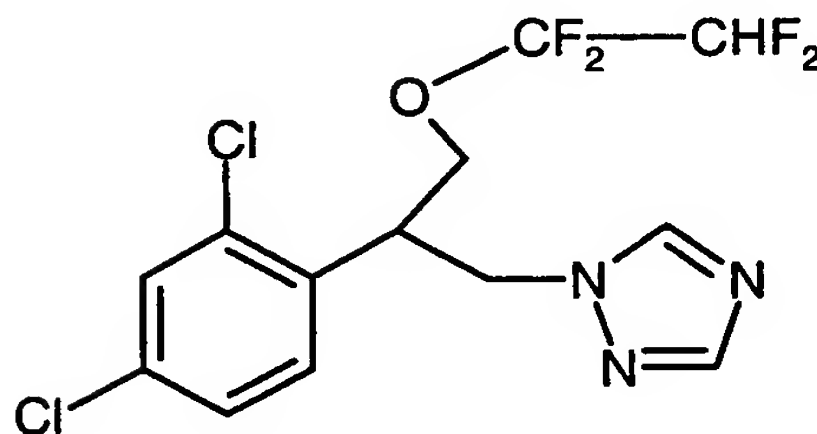


(XXXXXVIIIg)

(fenbuconazole)

and/or

h)

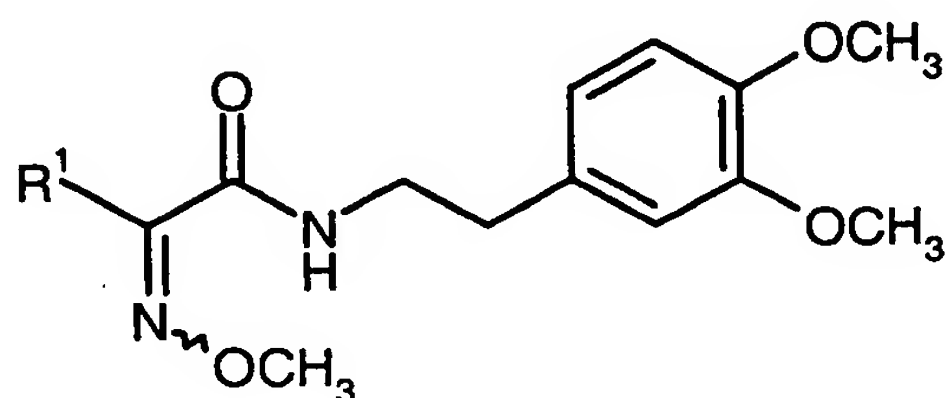


(XXXXXVIIIh)

(tetraconazole)

and/or

(48) a compound of the general formula



(XXXXXIX)

in which

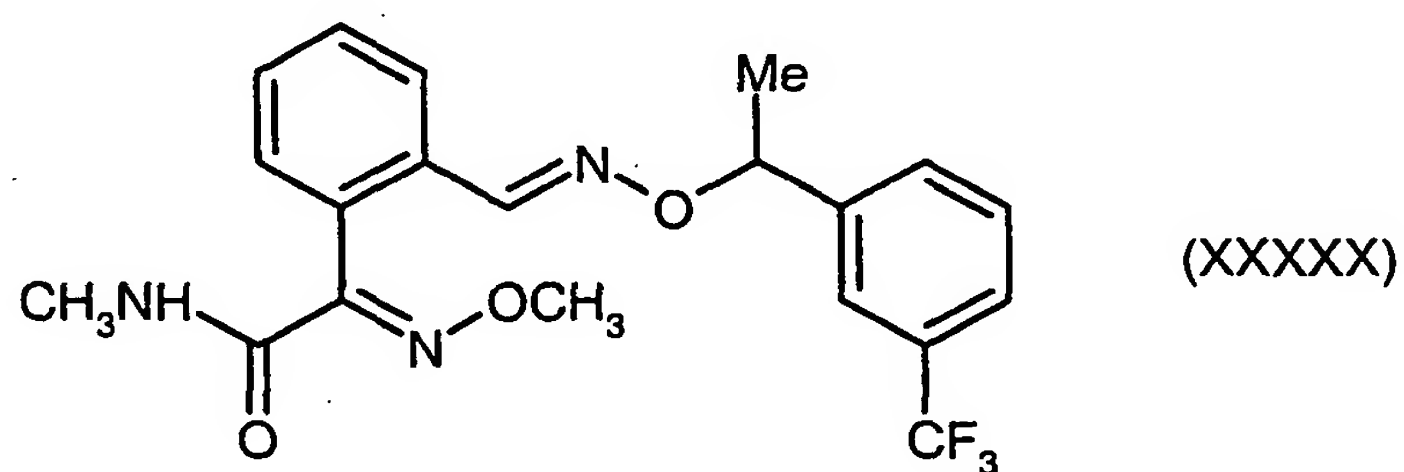
R^1 represents unsubstituted or fluorine-, chlorine-, bromine-, methyl- or ethyl-substituted phenyl, 2-naphthyl, 1,2,3,4-tetrahydronaphthyl or indanyl,

5

and/or

(49) N-methyl-2-(methoxyimino)-2-[2-([1-(3-tri-fluoro-methyl-phenyl)ethoxy]iminomethyl)phenyl]acetamide of the formula

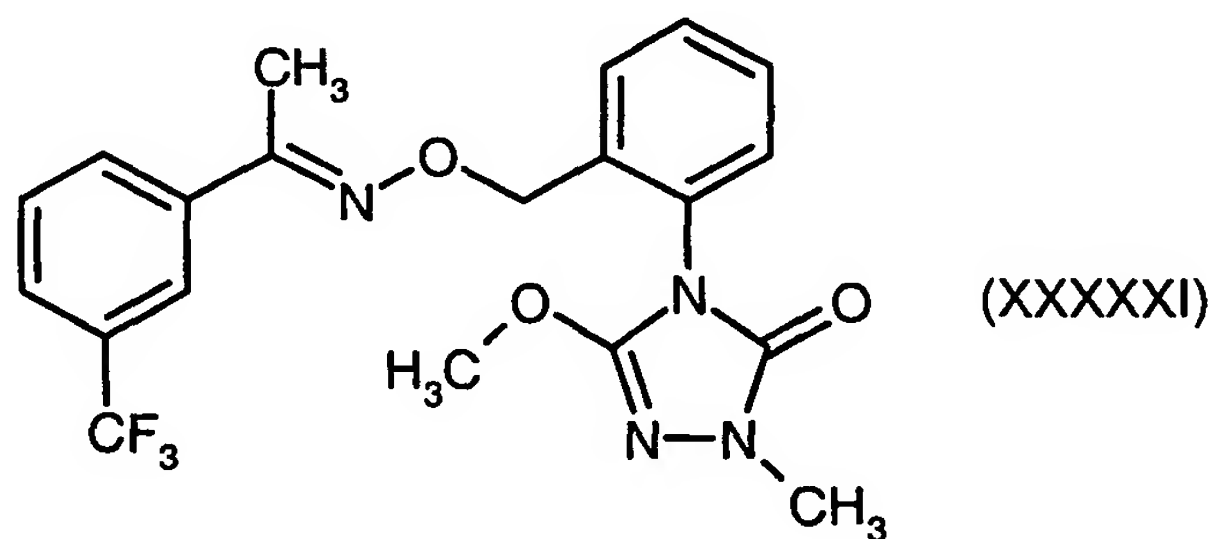
10



and/or

15

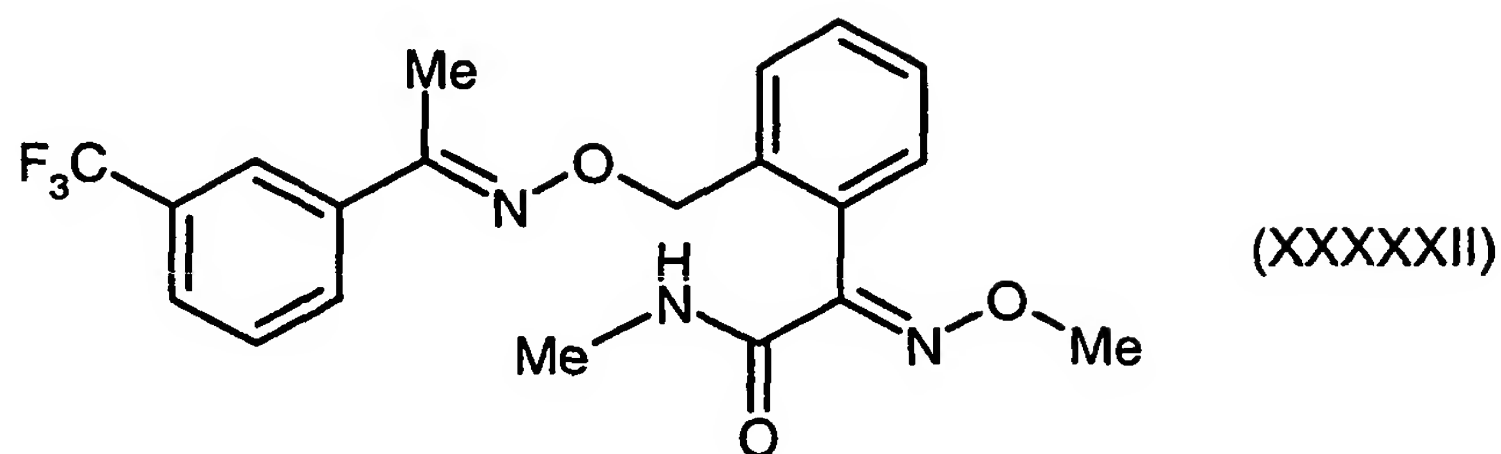
(50) 2,4-dihydro-5-methoxy-2-methyl-4-[2-([(1-(3-tri-fluoro-methylphenyl)ethylidene]amino)oxy)methyl]phenyl]-3H-1,2,4-triazol-3-one of the formula



20

and/or

(51) the compound of the formula

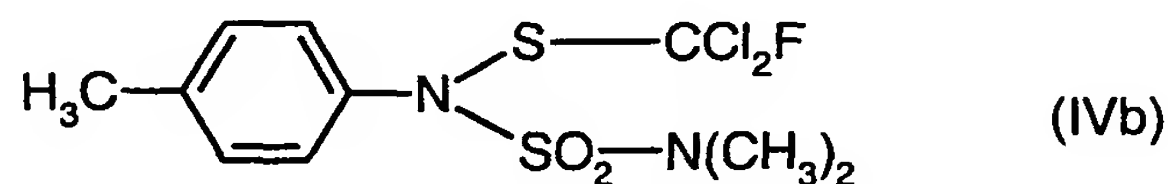


5

2. Active compound combinations according to Claim 1, comprising at least one compound of the formula (I) as defined in Claim 1 and

(3) an aniline derivative of the formula

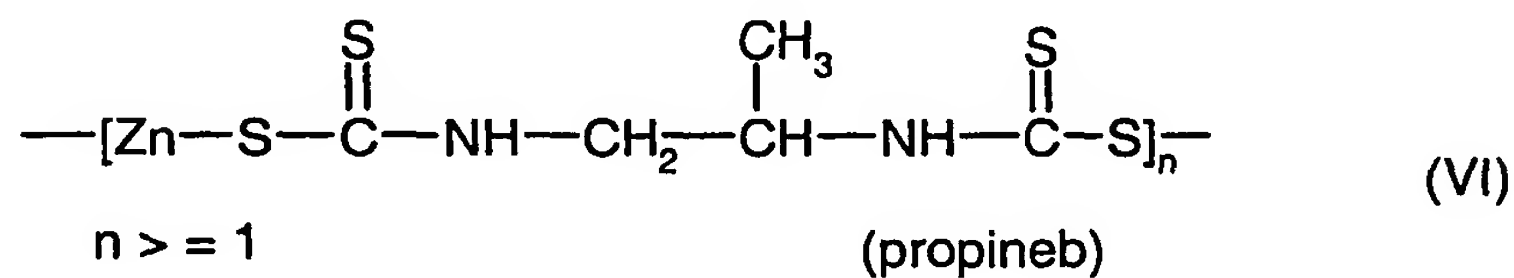
10



and/or

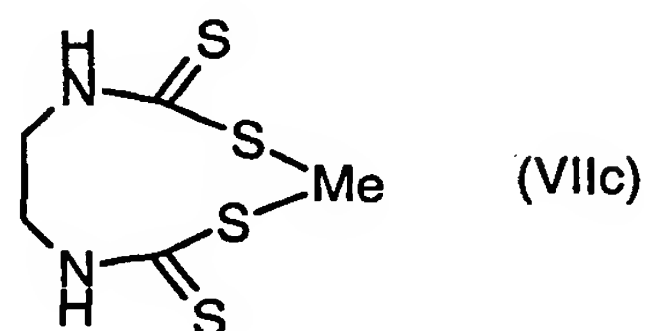
(5) the zinc propylene-1,2-bis-(dithiocarbamate) of the formula

15



and/or

(6) at least one thiocarbamate of the formula

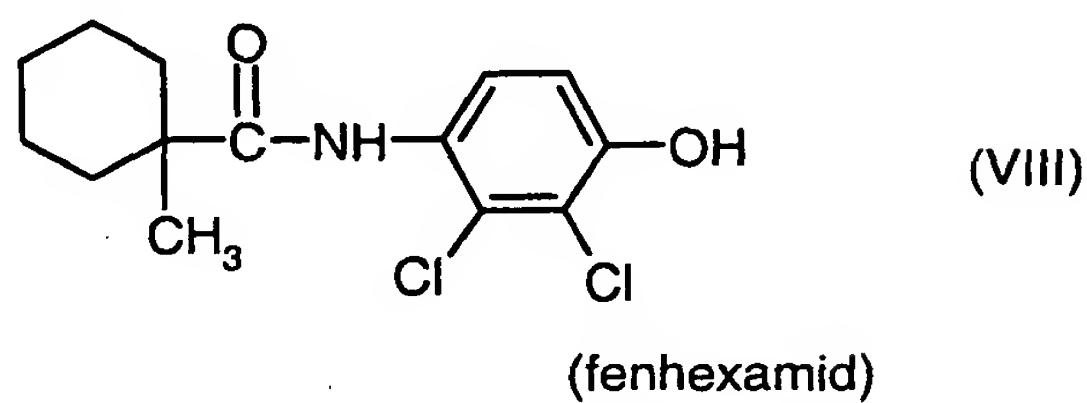


Me = mixture of Zn and Mn

5

and/or

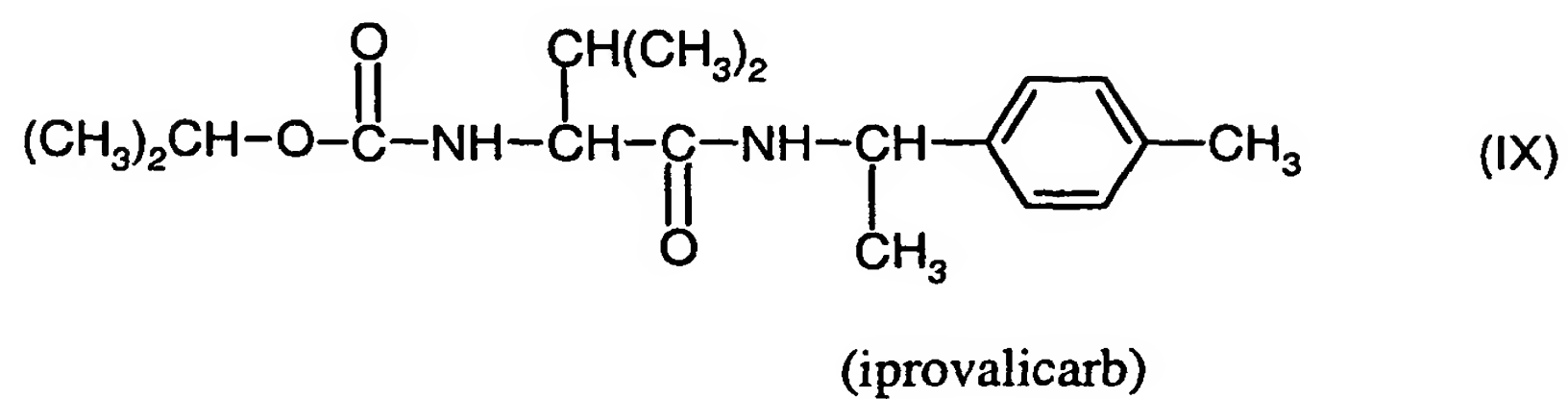
(7) the aniline derivative of the formula



10

and/or

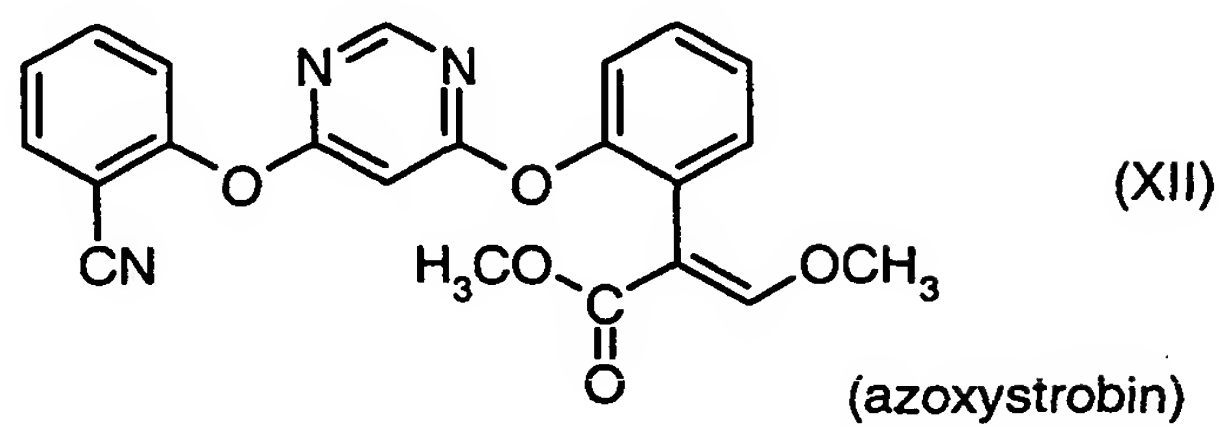
(8) the compound of the formula



15

and/or

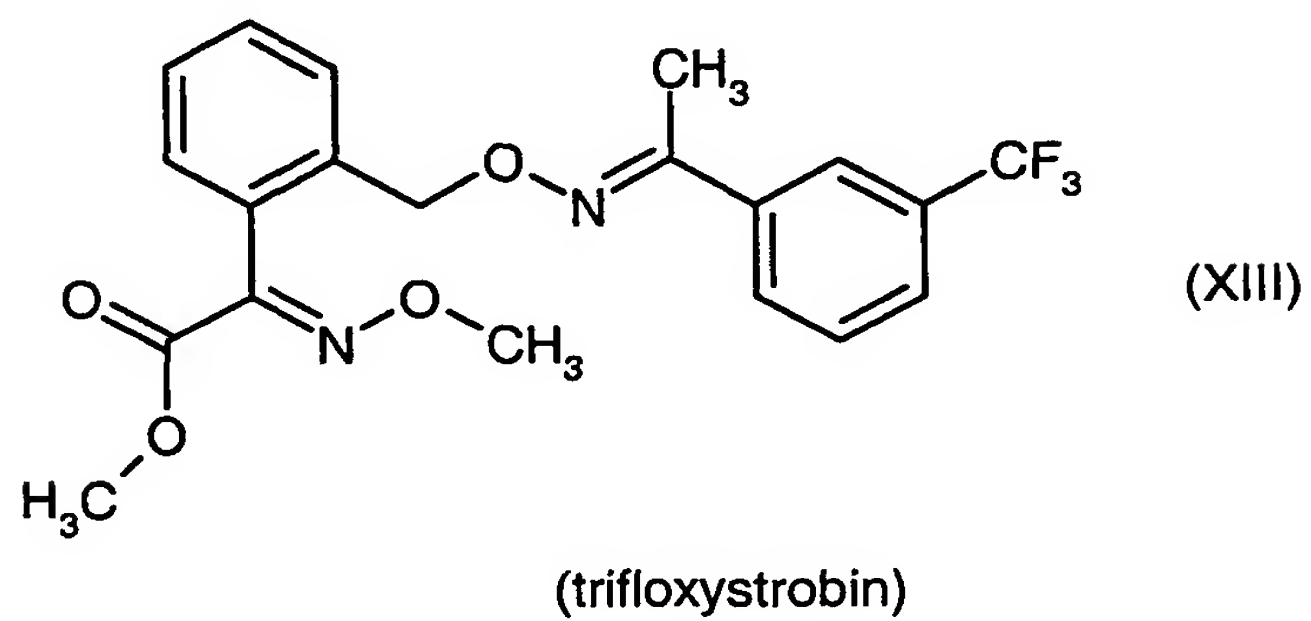
(11) the compound of the formula



and/or

5

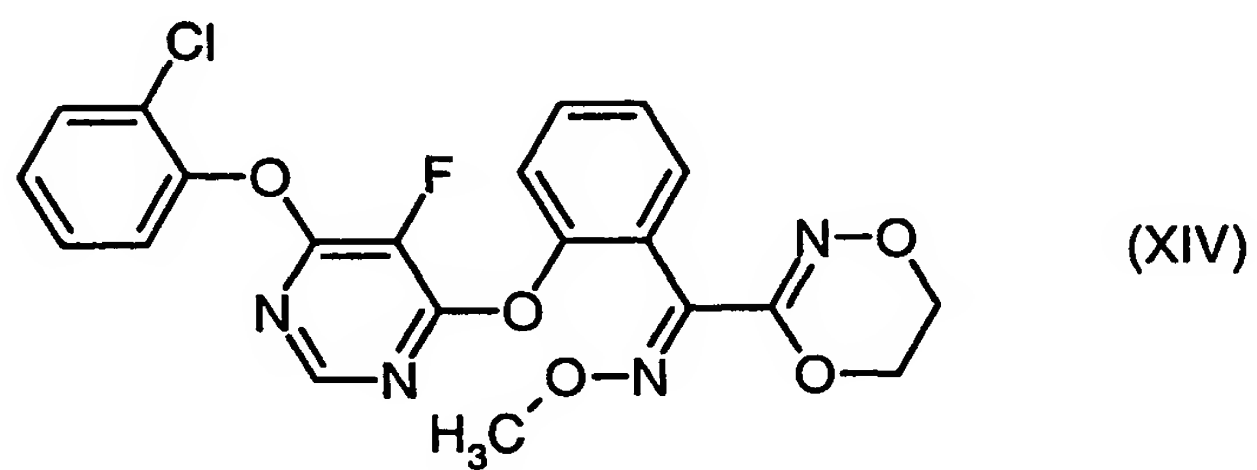
(12) the compound of the formula



10

and/or

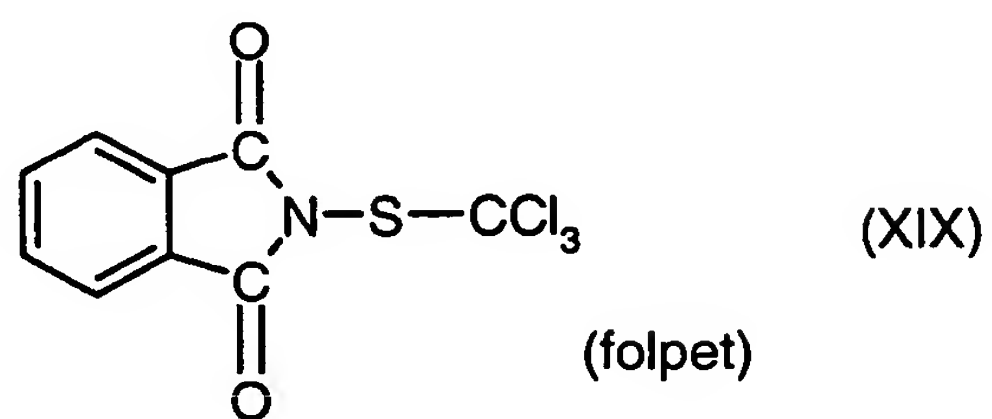
(13) the compound of the formula



15

and/or

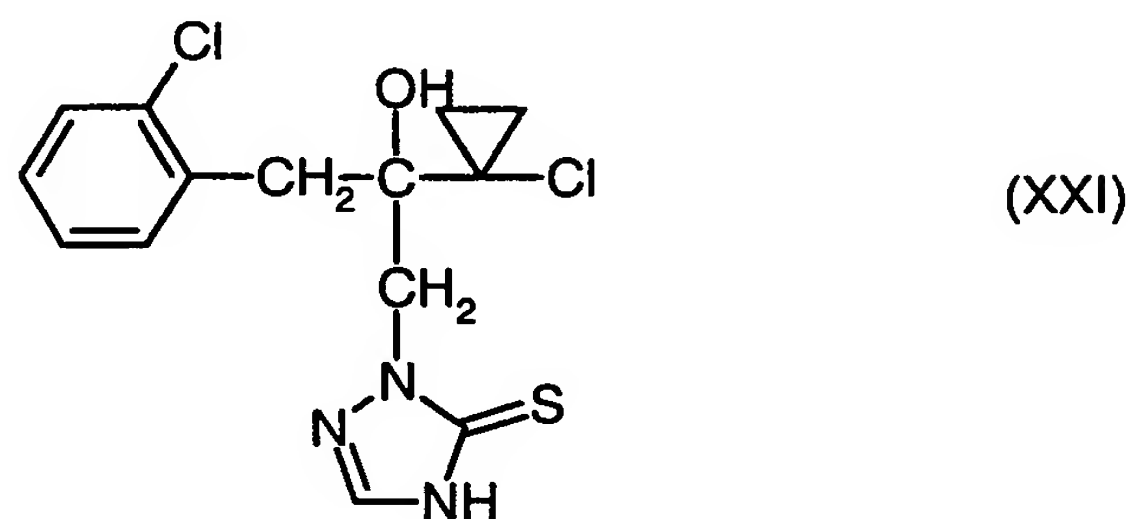
(18) the phthalimide derivative of the formula



and/or

5

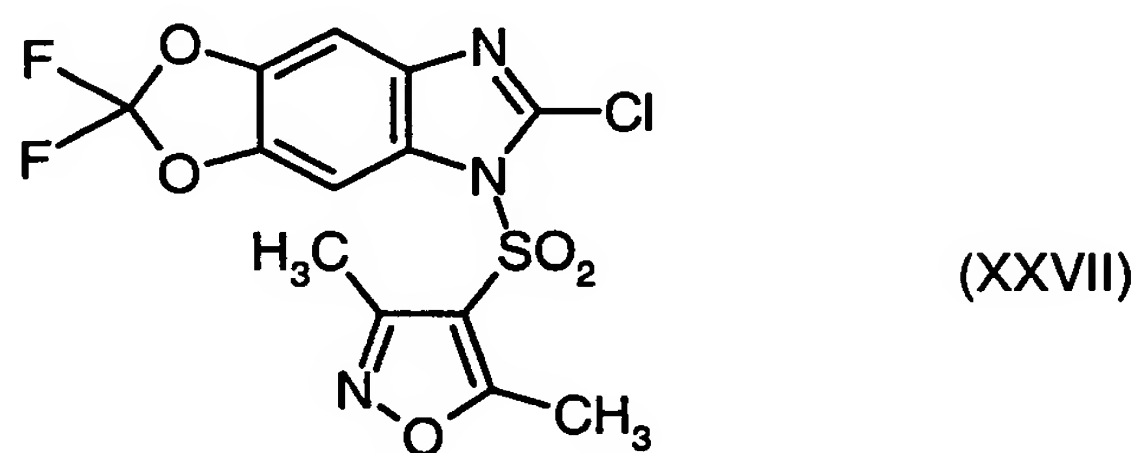
(20) the hydroxyethyl-triazole derivative of the formula



and/or

10

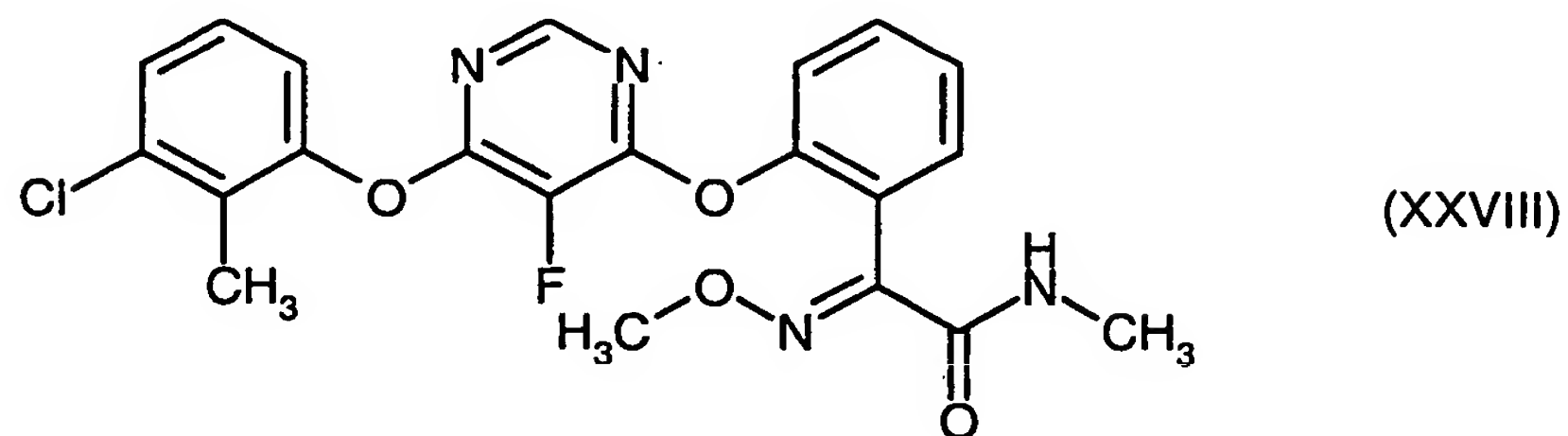
(26) the halogeno-benzimidazole of the formula



and/or

15

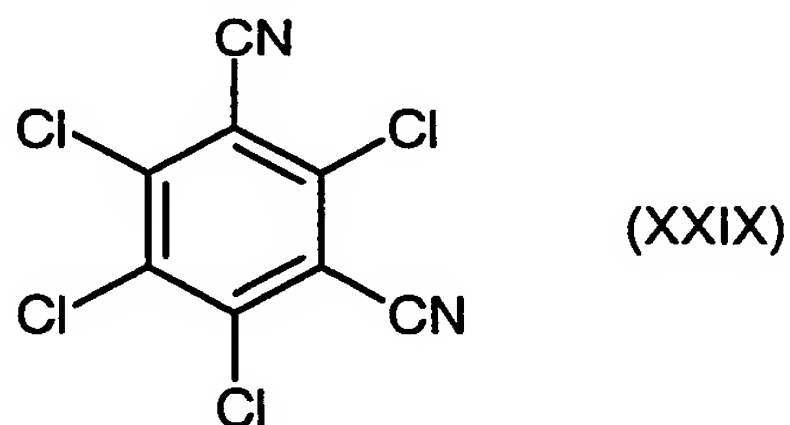
(27) the halogenopyrimidine of the formula



and/or

5

(28) the tetrachloro-isophthalo-dinitrile of the formula

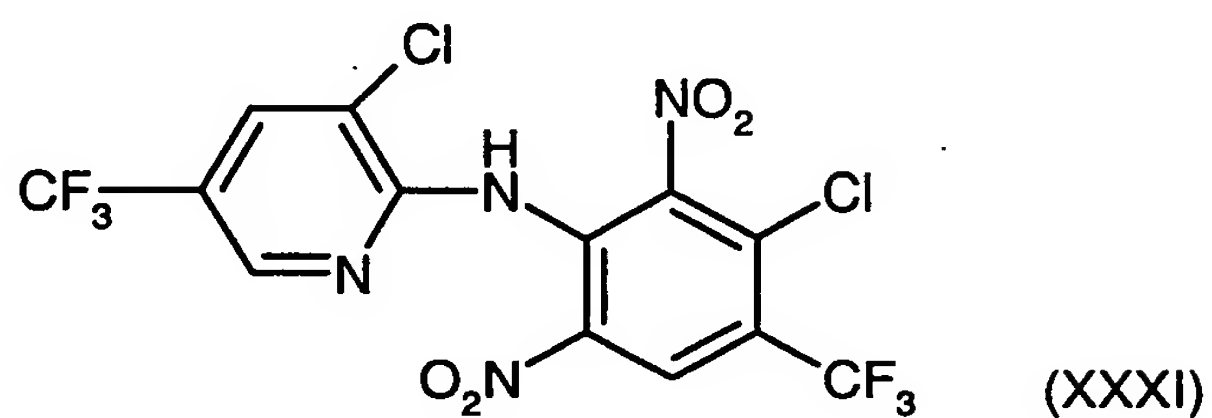


(chlorothalonil)

and/or

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(30) the pyridinamine of the formula



(fluazinam)

and/or

(45) the copper compounds

- a) copper oxychloride (XXXXXVIa)
- b) copper hydroxide (XXXXXVIb).

5 3. Composition according to Claim 1, characterized in that in the active compound combinations the weight ratio of active compound of the formula (I) to

- active compound of group (1) is from 1:0.1 to 1:50,
- 10 - active compound of group (2) is from 1:0.1 to 1:50,
- active compound of group (3) is from 1:1 to 1:150,
- active compound of group (4) is from 1:0.1 to 1:10,
- active compound of group (5) is from 1:1 to 1:150,
- active compound of group (6) is from 1:1 to 1:150,
- 15 - active compound of group (7) is from 1:0.1 to 1:50,
- active compound of group (8) is from 1:0.1 to 1:50,
- active compound of group (9) is from 1:0.02 to 1:50,
- active compound of group (10) is from 1:0.1 to 1:50,
- active compound of group (11) is from 1:0.1 to 1:50,
- 20 - active compound of group (12) is from 1:0.1 to 1:50,
- active compound of group (13) is from 1:0.1 to 1:50,
- active compound of group (14) is from 1:0.1 to 1:50,
- active compound of group (15) is from 1:0.2 to 1:50,
- active compound of group (16) is from 1:0.1 to 1:50,
- 25 - active compound of group (17) is from 1:0.1 to 1:50,
- active compound of group (18) is from 1:1 to 1:150,
- active compound of group (19) is from 1:0.1 to 1:150,
- active compound of group (20) is from 1:0.02 to 1:50,
- active compound of group (21) is from 1:0.05 to 1:20,
- 30 - active compound of group (22) is from 1:0.1 to 1:50,
- active compound of group (23) is from 1:0.1 to 1:50,

- active compound of group (24) is from 1:0.1 to 1:150,
- active compound of group (25) is from 1:0.1 to 1:50,
- active compound of group (26) is from 1:0.1 to 1:50,
- active compound of group (27) is from 1:0.1 to 1:50,
- 5 - active compound of group (28) is from 1:1 to 1:150,
- active compound of group (29) is from 1:1 to 1:150,
- active compound of group (30) is from 1:0.1 to 1:50,
- active compound of group (31) is from 1:0.1 to 1:50,
- active compound of group (32) is from 1:0.1 to 1:50,
- 10 - active compound of group (33) is from 1:0.1 to 1:50,
- active compound of group (34) is from 1:0.1 to 1:50,
- active compound of group (35) is from 1:1 to 1:50,
- active compound of group (36) is from 1:1 to 1:150,
- active compound of group (37) is from 1:0.1 to 1:50,
- 15 - active compound of group (38) is from 1:0.1 to 1:50,
- active compound of group (39) is from 1:0.1 to 1:50,
- active compound of group (40) is from 1:0.1 to 1:50,
- active compound of group (41) is from 1:1 to 1:150,
- active compound of group (42) is from 1:1 to 1:150,
- 20 - active compound of group (43) is from 1:0.1 to 1:50,
- active compound of group (44) is from 1:0.1 to 1:50,
- active compound of group (45a) is from 1:1 to 1:150,
- active compound of group (45b) is from 1:1 to 1:150,
- active compound of group (46) is from 1:0.1 to 1:50,
- 25 - active compound of group (47a) is from 1:0.1 to 1:50,
- active compound of group (47b) is from 1:0.1 to 1:50,
- active compound of group (47c) is from 1:0.1 to 1:50,
- active compound of group (47d) is from 1:0.1 to 1:50,
- active compound of group (47e) is from 1:0.1 to 1:50,
- 30 - active compound of group (47f) is from 1:0.1 to 1:50,
- active compound of group (47g) is from 1:0.1 to 1:50,

- active compound of group (47h) is from 1:0.1 to 1:50,
- active compound of group (48) is from 1:0.1 to 1:50,
- active compound of group (49) is from 1:0.1 to 1:50,
- active compound of group (50) is from 1:0.1 to 1:50,
- active compound of group (51) is from 1:0.1 to 1:50.

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4. Method for controlling fungi, characterized in that active compound combinations according to at least one of Claims 1 to 3 are applied to the fungi and/or their habitat.

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5. Use of active compound combinations according to any of Claims 1 to 3 for controlling fungi.

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6. Process for preparing fungicidal compositions, characterized in that active compound combinations according to any of Claims 1 to 3 are mixed with extenders and/or surfactants.